

ANNUAL FLOWERS

WITH
LISTS OF VARIETIES FOR SPECIAL
PURPOSES AND DISTRICTS

By ISABELLA PRESTON
SPECIALIST IN ORNAMENTAL HORTICULTURE

DOMINION OF CANADA
DEPARTMENT OF AGRICULTURE

BULLETIN No. 60—NEW SERIES

DIVISION OF HORTICULTURE
DOMINION EXPERIMENTAL FARMS

Printed by direction of the Hon. W. R. MOTHERWELL, Minister of Agriculture, Ottawa, 1926

S30.4
C212
B 60
n.s.
1926
C. 3

DOMINION EXPERIMENTAL FARMS BRANCH

PERSONNEL

DIRECTOR, E. S. ARCHIBALD, B.A., B.S.A.

Dominion Field Husbandman	E. S. Hopkins, B.S.A., MS.
Dominion Chemist	Frank T. Shutt, M.A., D.Sc.
Dominion Horticulturist	W. T. Macoun.
Dominion Cerealists	L. H. Newman, B.S.A.
Dominion Botanist	H. T. Güssow.
Dominion Animal Husbandman	G. B. Rothwell, B.S.A.
Dominion Forage Crop Specialist	G. P. McRostie, B.S.A., Ph.D.
Dominion Poultry Husbandman	F. C. Elford.
Chief, Tobacco Division	C. M. Slagg, MS.
Dominion Apiarist	Grant Lochhead, Ph.D.
Dominion Bacteriologist	C. B. Gooderham, B.S.A.
Chief Officer, Extension and Publicity	F. C. Nunnick, B.S.A.
Chief Supervisor of Illustration Stations	John Fixter.
Economic Fibre Specialist	R. J. Hutchinson.

ALBERTA

Superintendent, Experimental Station, Lacombe, Alta.,	F. H. Reed, B.S.A.
Superintendent, Experimental Station, Lethbridge, Alta.,	W. H. Fairfield, M.Sc.
Superintendent, Experimental Sub-station, Beaverlodge, Alta.,	W. D. Albright.
Superintendent, Experimental Sub-station, Fort Vermilion, Alta.,	Robt. Jones.

BRITISH COLUMBIA

Superintendent, Experimental Farm, Agassiz, B.C.,	W. H. Hicks, B.S.A.
Superintendent, Experimental Station, Summerland, B.C.,	W. T. Hunter, B.S.A.
Superintendent, Experimental Station, Invermere, B.C.,	R. G. Newton, B.S.A.
Superintendent, Experimental Station, Sidney, B.C.,	E. M. Straight, B.S.A.

MANITOBA

Superintendent, Experimental Farm, Brandon, Man.,	M. J. Tinline, B.S.A.
Superintendent, Experimental Station, Morden, Man.,	W. R. Leslie, B.S.A.

SASKATCHEWAN

Superintendent, Experimental Farm, Indian Head, Sask.,	W. H. Gibson, B.S.A.
Superintendent, Experimental Station, Rosthern, Sask.,	W. A. Munro, B.A., B.S.A.
Superintendent, Experimental Station, Scott, Sask.,	Victor Matthews, B.S.A.
Superintendent, Experimental Station, Swift Current, Sask.,	J. G. Taggart, B.S.A.

NEW BRUNSWICK

Superintendent, Experimental Station, Fredericton, N.B.,	C. F. Bailey, B.S.A.
--	----------------------

NOVA SCOTIA

Superintendent, Experimental Farm, Nappan, N.S.,	W. W. Baird, B.S.A.
Superintendent, Experimental Station, Kentville, N.S.,	W. S. Blair.

PRINCE EDWARD ISLAND

Superintendent, Experimental Station, Charlottetown, P.E.I.,	J. A. Clark, B.S.A.
--	---------------------

ONTARIO

Central Experimental Farm, Ottawa, Ont.	
Superintendent, Experimental Station, Kapuskasing, Ont.,	S. Ballantyne.
Superintendent, Experimental Station, Harrow, Ont.,	D. D. Digges, B.S.A., M.S.A.

QUEBEC

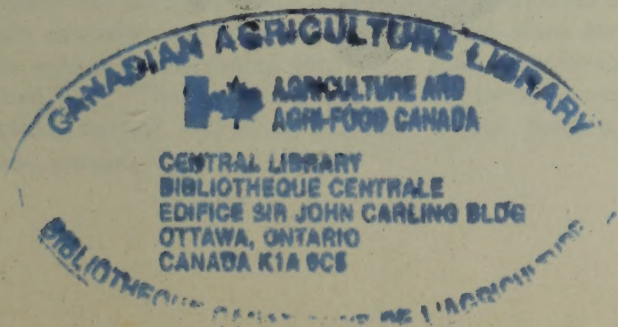
Superintendent, Experimental Station, Cap Rouge, Que.,	G. A. Langelier, D.Sc.A.
Superintendent, Experimental Station, Lennoxville, Que.,	J. A. McClary.
Superintendent, Experimental Station, Ste. Anne de la Pocatière, Que.,	J. A. Ste. Marie, B.S.A.
Superintendent, Experimental Station, La Ferme, Que.,	P. Fortier, Agr.
Superintendent, Tobacco Experimental Station, Farnham, Que.,	J. E. Montreuil, B.S.A.

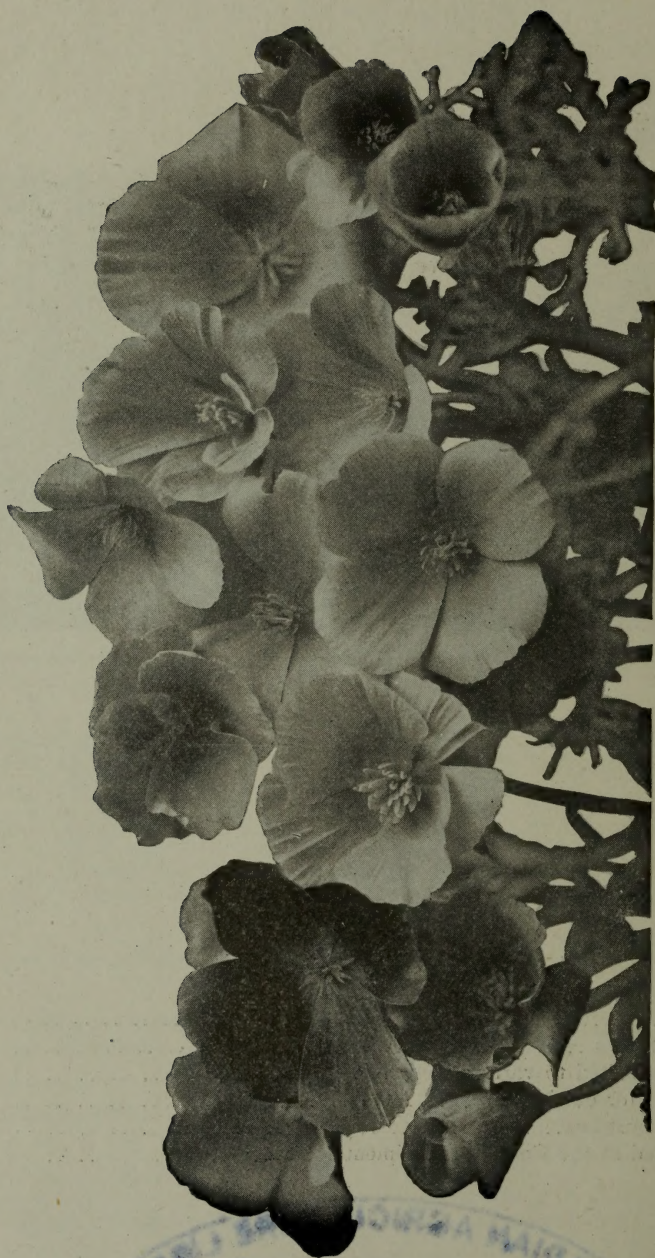


Annuals growing at the Central Farm, Ottawa. Showing part of the trial grounds where varieties and cultural methods are tested.

TABLE OF CONTENTS

	PAGE
General hints.....	3
Best species and varieties	5
Twelve annuals best suited to various sections of Canada.....	29
Twelve best annuals for outside sowing.....	31
Annuals for special purposes.....	33
List of annuals tested at the Central Experimental Farm.....	35





ESCHSCHOLTZIA

RECEIVED
MAY 10 1904
CANADIAN MUSEUM
OTTAWA, CANADA

ANNUAL FLOWERS

By ISABELLA PRESTON

The love of flowers and the desire to grow them is increasing year by year, and in most Canadian gardens a place is found for annual flowering plants. A beautiful garden could be made of annuals alone as there is great variety among them in colour, form, and height, from rock plants a few inches high with tiny flowers to giant sunflowers six feet in height and having flowers eight inches in diameter. The annuals are useful in filling in space in perennial borders left when bulbs and other early-flowering plants have ceased to bloom. Before the more permanent perennial plantings have attained their full growth, annual flowering plants are most useful in rounding out ragged edges and filling in vacant spaces, as the seed sown in the spring will flower the same season. If annuals are wanted for cut flowers in quantities they may be grown in rows in the vegetable garden.

Since 1912, extensive trials have been made at the Dominion Experimental Farm, Ottawa, of a large number of varieties and careful notes taken on the length of the blooming season; the height of the plants; the flower, and other such particulars. The large amount of information thus collected forms the basis of the recommendations of this bulletin.

Any good garden soil will grow annuals and some such as calendula and nasturtium give more bloom in poor soil and are inclined to grow heavy coarse leaves with very few flowers if the soil is too rich.

Some hardy annuals can be sown outdoors where they have to bloom. The soil should be in good condition, well dug and raked and made quite fine before sowing, which should be done when the soil is rather dry. The depth of planting depends on the size of the seed. Small ones are sown on the surface and pressed into the soil with a flat piece of wood. For larger ones, remove an inch or two of soil and sow thinly, then cover with the fine surface soil and press down evenly. In a border, the seed should be sown in an uneven circle and stakes placed to mark the place. If the seed is sown in rows, a line should be used and a shallow drill hoed out with a rake. Sow the seeds thinly in this drill, cover, and press down the soil. The distance between the rows will depend on the kind of seed sown. When the seedlings are a few inches high, thin them out to the distance apart in the rows suitable for the variety of plant. Do the thinning out when the ground is moist. Annuals that are best treated in this way are alyssum, candytuft, calendula, cornflower (*Centaurea cyanus*), eschscholtzia, sunflower, matthiola bicornis, mignonette, nasturtium, poppy, portulaca, sweet peas, Virginian stock.

Other hardy annuals should be sown in rows and when the seedlings are large enough to handle, transplanted into other rows or into their permanent place in the borders. The following can be so treated: asters, coreopsis, lavatera splendens, malope, mirabilis, nemesia, pansy, petunia, phlox drummondii, rudbeckia, scabious.

The last list, with all other annuals, flower earlier if the seed is started in the house, hotbed or greenhouse, transplanted when large enough to handle, and gradually hardened off in a cold frame before being planted in the garden. If no cold frame is available, the boxes or pots in which the seedlings have been transplanted should be put on the verandah during the warm part of the day and brought indoors in the evening, until they are able to withstand the cool outside air. Choose a cool and cloudy day when the soil is moist for transplanting the seedlings into the open, and until the roots have become established, shade them from the sun. Young seedlings are frequently destroyed by cutworms which eat through the stem, just at the surface of the soil. Poisoned bran should be scattered near the seedlings when cutworms are present.¹

¹ Poisoned bran mixture to control cutworms—Mix thoroughly $\frac{1}{2}$ lb. Paris green with 20 lb. bran while both are dry. Dissolve 1 quart of molasses in 2 gallons or more of water, then pour this into the poisoned bran and stir until all the bran is moistened thoroughly. In smaller quantities use 1 quart of bran, 1 teaspoonful of Paris green, and one tablespoonful of molasses with enough water to moisten the poisoned bran. Spread on the surface of the ground near the plants as soon as they are set out. The cutworms come out at night, eat the poisoned bran and are killed.



Annuals at the Central Farm, Ottawa: showing borders of sweet alyssum and candytuft.

BEST SPECIES AND VARIETIES

Following is a list arranged in alphabetical order, of the species and varieties of annuals, which have been found to be the best of the many tested at Ottawa.

Acroclinium (see **Helipterum**).

Ageratum, a half-hardy annual of pale bluish-violet shade. An excellent dwarf plant for edging a bed, being a mass of flowers from the first week in July until frost. Imperial Dwarf Blue begins to bloom June 15 at Ottawa. Little Blue Star has smaller flowers than Imperial Dwarf Blue, is rather more compact, and comes into bloom a few days earlier.

Althaea rosea. The annual variety of hollyhock resembles the well-known biennial plant, but as it blooms a little later and continues until frost, it could be used to continue the blooming period of the bed after the biennials are over. Start the seeds indoors in April.

Alyssum maritimum, Sweet alyssum, is one of the best dwarf, edging-plants: seed should be sown, where it is required to bloom, as soon as the ground is warm. Thin out the seedlings when large enough to handle. The plants are covered with small white flowers from June until snow. If they begin to get ragged, it is a good plan to clip all the flowers off and in a week or so they will make a compact white carpet again.

Varieties:

- A. Minimum,
Little Dorrit.
Lilac Queen has flowers tinged lilac.

Amaranthus. This family of plants is grown chiefly for its coloured foliage which is large and handsome and very effective in beds. They are very sensitive to frost.

A. caudatus, Love-lies-bleeding, has handsome reddish drooping flowers and reddish leaves.

A. hypochondriacus, Prince's feather, has dark reddish foliage with flowers of the same shade. Height about 3 feet.

A. melancholicus has deep maroon-coloured foliage and grows from 2½ to 3½ feet high.

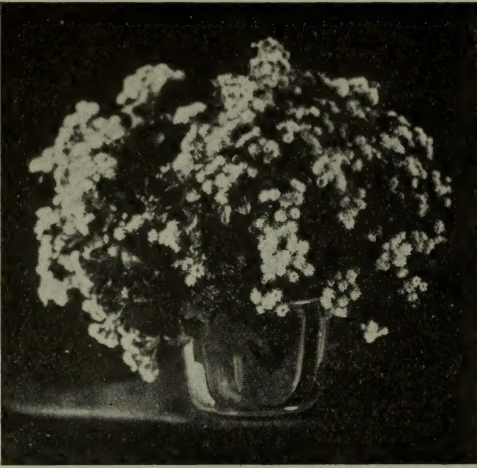
A. salicifolius has deeply cut foliage for varying shades of red, about 1 foot high.

A. Sunrise is of this type.

A. tricolor splendens has variegated leaves showing light red, green and yellow. Height, 2 to 3 feet.

Anchusa, a bright blue flower, very like the perennial varieties but dwarfer in habit.

Antirrhinum. The well-known snapdragon is really a perennial, but in Canada it is used as a half-hardy annual. The seed must be sown indoors in March and the plants transplanted and gradually hardened off, ready for putting in the beds early in June. They begin to bloom about the middle of July and continue until the frost kills them. There are four distinct sizes: dwarf, bedding, intermediate and tall. All are useful, but for a small garden, the intermediate type is the best. There is a great range of colours from pure white, pinks to dark crimson and pale yellow and various shades of apricot and flame.



Ageratum—"Blue Star".



Asperula setosa.



Antirrhinum.

Artemisia sacrorum viridis, Summer fir. This plant resembles a small spruce tree and is useful in the border or for a hedge. Height, 3 to 4 feet.

Asperula azurea setosa, Blue woodruff, a dainty little blue-grey flower, which is very effective against the finely-cut leaves.

Aster (see **Callistephus**).

Balsam (see **Impatiens**).

Bartonia aurea is a low-growing plant with large yellow flowers. Our Ottawa conditions are not congenial, but it would be very effective in a suitable position.

Blue Lace Flower (See **Didiscus**).

Brachycome iberidifolia, Swan river daisy, is a charming dwarf plant with daisy-like flowers in blue and mauve shades. There is a white variety, but it is not so desirable as the blue one. Height about 12 inches.

Browallia elata is a compact-growing plant with dark green glossy leaves and rich blue flowers. There is a white variety. It makes a good cut flower as the buds continue to open in water and the foliage is also very effective. Seed should be sown indoors in April, the seedlings transplanted in June. It blooms from mid July until frost.

Calendula officinalis, Pot marigold, is a good hardy annual that can be sown where it is to bloom. The flowers are various shades of yellow, from pale lemon to deep orange and resemble large double daisies. There are semi-double varieties, but the fully double are the best. These plants must not have too rich a soil or they will grow large leaves but few flowers. They bloom from early July until severe frost. Height, $1\frac{1}{2}$ to 2 feet. It is now very commonly grown by florists for early spring bloom.

Varieties:

Orange King.

Lemon Queen.

Calliopsis (see **Coreopsis**).

Callistephus chinensis, the well-known China aster, is one of the most popular of annual plants, and when it is well grown and healthy, it is undoubtedly one of the best. Unfortunately in some gardens, aster plants are very liable to disease and either die outright or are very unsightly and do not develop. Growing the plants in fresh soil each year, destroying all diseased plants and spraying with Bordeaux mixture are recommended, but in some cases, the disease appears every year, in which case it is useless to try and grow them. There are two distinct types of aster plants, branching and upright, the former being the most common. The types of flowers vary also and there is a great range of colours. The seed can be sown outdoors as soon as the soil is in condition, but it is better to sow it indoors in April and transplant into a cold frame and then into the garden. Asters are good flowers for cutting, but the water in the vases must be changed frequently or it will soon give off an unpleasant odour. All seedsmen list a large number of varieties of which the "Queen of the Market" is the earliest flowering, and these are the best for the districts where the season is very short. The finest flowers however, are from later blooming types. Comet, Ostrich Plume, Victoria, King, Rochester, Vick Branching, and the single varieties are all distinct and worth growing.

Candytuft (see **Iberis**).

Carnation, Marguerite (see **Dianthus**).

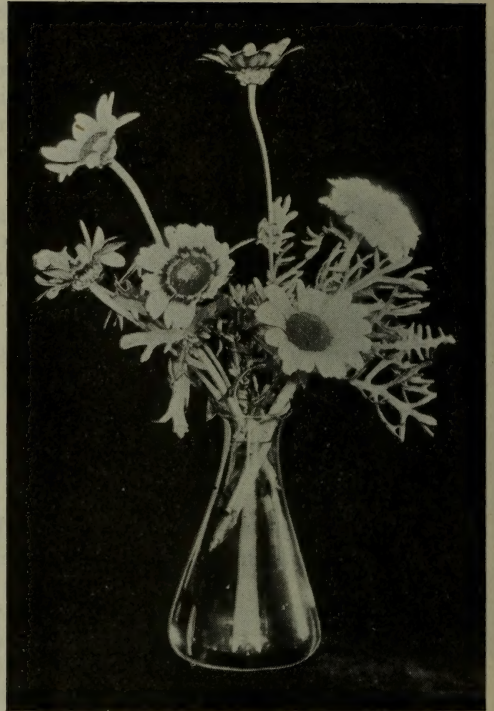
Celosia cristata, Cockscomb, is a tender annual, the seed of which must be sown indoors. It is a curious flower, like a cock's comb, but dark maroon in colour.



China aster (See under *Callistephus*).



Chrysanthemum—"Bridal Robe".



Annual chrysanthemum.

C. plumosa is much more ornamental and comes in various shades of pink, red and yellow. The flowers resemble plumes and the plant grows $1\frac{1}{2}$ to 2 feet high.

C. childsii, called Chinese woolflower, has the inflorescence in rounded heads instead of plumes.

Centaurea cyanus, Cornflower or Bachelor's button, is one of the easiest hardy annuals to grow. Sow where it has to flower and it will seed itself from year to year. The giant varieties are the best.

C. moschata, Sweet Sultan, is a half hardy annual that will bloom from the end of June until frost when the seed is started in the greenhouse. The sweet scented flowers resemble thistles but have no prickles. There are white, mauve and yellow varieties. Height about 2 feet.

Cheiranthus allioni, Siberian wallflower, is really a biennial but will bloom in summer from seed started indoors in spring. The flowers are bright orange and very effective in the garden. Height about 18 inches.

Chrysanthemum. There are several varieties all of which make excellent cut flowers. The petals are various shades of primrose and yellow with bands of brown in some varieties. The centres vary also, some matching the ray florets and others dark brown in contrast to them. The seeds of these should be started indoors in April and the plants put out in June. They bloom from the end of June until frost.

The double varieties are frequently disappointing, as so many of the blooms are not perfect.

Varieties:

Morning Star,
Eastern Star,
Northern Star,
Coronarium Princess Mary.

Chrysanthemum inodorum plenissimum, Bridal robe, is a dwarfer plant with finely cut up, dark green foliage and rather a spreading habit. The pure white flowers are not large and occasionally are single or semi-double instead of being fully double. This plant frequently lives over winter.

Cineraria maritima is grown for its silvery gray foliage.

Clarkia elegans and **C. pulchella** are very popular flowers both for garden effect and for cutting but apparently the summers at Ottawa are too hot and dry. There are many beautiful shades of pink in both varieties and both double and single flowers.

Cleome spinosa, Spider plant, is a tall-growing annual very effective at the back of a flower border. Sow the seeds indoors in April and plant out in June. It begins to bloom about the third week in July and continues until frost. Height, 3 to 4 feet. Colours pure white and rosy mauve.

Cobaea scandens is really a tender perennial climber, but is generally used as an annual. It is better to start the seeds indoors if possible. It is a very rapid grower when once started and soon covers the front of a verandah with its beautiful glossy foliage which lasts until severe frost. The flowers are purple and white and are bell-shaped, but are not conspicuous.

Coreopsis, a very useful hardy annual, which can be sown where it is to bloom, or if early bloom is desired, sown indoors and planted out early in June.

C. drummondii has comparatively large dark green foliage, bright yellow petals and chestnut-brown centres, height under 2 feet.



Double-flowering cosmos.



Dianthus hedderwigi—Double-flowering.



Larkspur—Stock-flowered. (See under *Delphinium*).



Godetia

C. atrosanguinea has chestnut-brown, star-shaped flowers. The plant forms a loosely branched small bush covered with bloom. The leaves are small and inconspicuous. Height about 3 feet.

C. marmorata has much the same habit, but the dark petals are spotted with yellow and have a mottled appearance.

C. tinctoria has orange ray petals with brown centre. Height, 3 feet. There are dwarf varieties about 1 foot high.

Cosmos is one of the finest late-blooming annuals and is very effective as a cut flower. It comes in three colours, white, pale mauvish-pink and crimson, and in both single and double forms. Care must be taken to buy seed of the early-flowering varieties, as the others require a very long season and do not bloom early enough for most parts of Canada. Both varieties make large bushes and the finely cut dark green foliage is very ornamental. Seed should be sown indoors to get early bloom. The plants flower until killed by severe frost. Height, 4 to 5 feet. In some places, this plant seeds itself and comes up year after year.

Cosmos, Sutton's Miniature Yellow, is quite distinct. The habit is compact, height about 18 inches and the flowers small and yellow in colour.

Dahlia. This beautiful flower is not really an annual, but as it will bloom from seed the first year, it is included in this list. To get bloom the first season, the seed should be sown indoors in early March and the seedlings transplanted into pots as soon as they are large enough to handle. They should not be planted out until all danger of frost is over. There will be great variation amongst the seedlings and the best should be marked and the tubers dug in the fall and stored in a frost-proof cellar until the following spring. Raising seedlings is an inexpensive way of getting a stock of these handsome plants.

Datura wrighti meteloides is a tender annual with very large leaves which partially hide the large white tubular flowers. It grows between 3 and 4 feet high and gives a subtropical effect to a bed.

Delphinium ajacis, Larkspurs, are very attractive garden flowers and particularly good for cutting. There are various shades, white, pink, rose, mauve and blue, and two distinct types, stock-flowered, in which the flowers are arranged in a compact spike, and branching, in which the habit is much looser. Seed should be sown indoors in April. The dwarf varieties are about 1 to 1½ feet high. Stock-flowered, 2 to 3 feet. Tall branching, 2 feet.

D. grandiflorum is often grown as an annual, though really a perennial. Its flowers resemble the perennial varieties, but the plant is dwarfer and of branching habit. Height, 15 inches. Azure Beauty, Blue Butterfly and Blue Gem belong to this class.

Dianthus. There are several species of this plant, most of which are perennials, but a few can be grown as annuals, as they will bloom in a few months from seed.

D. barbatus. The old favourite biennial sweet william now has an annual form which will start to bloom the middle of July from seed sown indoors in March. It blooms until killed by frost.

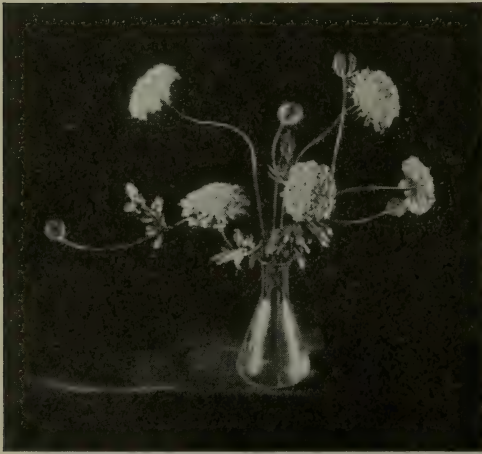
D. caryophyllus. The Marguerite carnation will bloom in the garden in August from seed sown indoors in March. The flowers are very like border carnations in appearance and fragrance and, if desired, the plants could be dug up and potted before hard frost, when they should continue to flower all winter in the house.



Dianthus heddwigi—Single-flowering.



Dimorphotheca.



Didiscus caerulea.



Double-flowering *gaillardia*.

D. sinensis. There are many varieties of this useful annual pink and are called *D. hedderigi*, Indian pink, or Chinese pink. All are excellent flowers for the border and for cutting. Unfortunately they lack fragrance; otherwise they fill the place of border carnations fairly well. When started indoors they bloom from the middle of July until the snow comes. In the singles, there are various shades from white to deep red with a great variety of markings on the petals, which frequently are fringed in a curious manner. In the double forms, we find self colours, which seem to come true from seed, of all shades of pink and red, the double white are much like the Mrs. Sinkins pink in appearance, but, unfortunately, lack the sweet perfume of that old favourite.

Varieties:

Single—

Brilliant Fringed,
Salmon Queen,
Scarlet Queen,
Lucifer, brilliant scarlet.

Double—

Delicate Rose,
Scarlet,
Snowdrift,
Salmon King,
Mourning Cloak, very dark crimson, edged white.

Diascia barberae, a dainty coral-pink flower, in bloom from the middle of July until frost. Height, 1 foot.

Didiscus cœruleus, Blue lace flower is a beautiful soft shade of blue. The flowers are in umbels and excellent for cutting. Sow the seeds indoors and plant out in June. In bloom from the middle of July until frost. Height, 18 inches.

Dimorphotheca aurantiaca is a brilliant-coloured daisy in various shades of cream and orange. It does well in bright sunshine and is a very effective garden plant. Height, about 1 foot. Blooms from the beginning of July until frost.

Echinocystis lobata, Wild cucumber, is a very useful annual vine and will climb to a great height, making an excellent covering for unsightly fences. The leaves are large and light green in colour and the flowers are cream. The seeds can be sown in fall or spring. At Ottawa it has become a weed in some parts of the garden, as the seedlings spring up in large numbers from self-sown seed.

Echium plantagineum, a good blue hardy annual, continuously in bloom from the beginning of July until severe frost. Height about 2 feet.

Eschscholtzia, California poppy. This very popular and easily grown annual should be sown where it has to bloom. There are a large number of varieties and many colours, cream, yellow, orange and crimson amongst them. The foliage is finely cut and greyish-green in colour. Height, 1 to 1½ feet.

Euphorbia marginata, Snow-on-the-mountain, is a very effective foliage plant. The leaves are green edged with white and the bracts which surround the small flowers are also white. Height, 1½ feet.

E. heterophylla, Annual poinsettia, has not been grown successfully at Ottawa.

Gaillardia, Blanket flower. The single varieties are very like the perennial species but the new double forms are quite distinct. Self-coloured cream and reddish-brown as well as the mixed colours can be had in them. Sow the seeds indoors in April and plant out early in June and they will bloom from early July until severe frost. Height about 2 feet.

Globe Amaranth (see **Gomphrena**).

Godetia is not very well known in Canada, but it is well worth growing as it makes a compact plant and is covered with flowers from early July until frost, if seed is started indoors. The colours range from white to deep crimson, sometimes showing a light ground with crimson markings. Height, 1 to 2 feet.

Varieties:

Double Rose,
Scarlet Queen,
Lady Albemarle,
Lady-bird (dwarf),
Crimson King.

Golden Feather (see **Pyrethrum**).

Gomphrena globosa, Globe amaranth, is an effective garden plant making upright bushes about 1½ feet high covered with small globe-shaped flowers. This is a very useful everlasting and the purple colour does not fade as in xeranthemum.

Varieties:

White,
Purple,
Rose.

Gypsophila elegans. The annual variety of baby's breath is very effective in the garden and also as a cut flower in a mixed bouquet. The small, white flowers cover the plant, which has a dainty fairy-like appearance. There is a pink variety and a large flowered type in which the feathery effect is lost, but the flowers are attractive. Height, 12 to 18 inches.

Helianthus. The annual sunflowers are a very useful race of plants, and come in various sizes and heights. The seed of all can be sown where it is to bloom.

Varieties:

Large flower, height 6 to 7 feet—

Double Orange.
Double Primrose.
Giant Yellow, yellow with brown centre.
Primrose Perfection, primrose with brown centre.

Large flower, height 5 feet—

Dwarf Double,
Dwarf Primrose, single with dark brown centre.
Dwarf Yellow, like the preceding, only golden rays.

Medium flower, height 4 to 5 feet—

Stella, petals gold, centre dark brown.
Primrose Stella, the same as the preceding except for colour. Both of these are very attractive in the garden and good for cutting.
Orion, golden colour, petals rolled; reminds one of a cactus dahlia; foliage and plant very attractive.
Bronze King, dark brown.

Dwarf Miniature, height 3 feet. Small golden flower with dark brown centre, a very attractive plant of bushy habit.

The tall large-flowering varieties make excellent screens, and can be used also to provide shade for smaller plants. Bird lovers should grow them, for the seeds attract many birds.

Helichrysum bracteatum. Strawflowers are the best known of all everlasting flowers. They are coarse-looking plants in the garden and grow about 3 feet tall. For drying for winter bouquets cut the flowers when half open, tie up in small bunches and hang on a string head downwards in a dry place. The stems of these plants are thick and care must be taken that they are thoroughly dry before being put away. The colours are very beautiful and include white, yellow, pale pink, bright red and deep maroon. The large-flowered types are the best.

Helipterum manglesi and **H. maculatum**, called rhodanthe in catalogues, are very dainty everlasting flowers which also are quite effective in the garden. They differ from *acroclinium* in the way the flowers hang down from the stem instead of facing upright.

Varieties:

Rhodanthe double rose (Sutton),
 " single rose,
 " single white,
 " atrosanguinea (Dobbie).

H. roseum, called in catalogues *Acroclinium roseum* has a flower resembling an English daisy but grows about a foot high. The flowers should be gathered when half open and dried for use in winter with other everlasting flowers.

Varieties:

Single white,
 Single rose,
 Double rose.

Hibiscus africanus. An uncommon annual which must be started indoors and planted in the garden in June. The flowers are cream with dark violet centre. Height about 1 foot. Blooms from middle of July until frost.

Hollyhock (see *Althaea rosea*).

Iberis. Annual candytuft, is a very useful plant, the seed of which should be sown early where it has to bloom. It is a low-growing plant and can be used for edging though it does not form a carpet like *alyssum*. There are several types which vary considerably in size of the flowers and length of blooming season. Care must be taken to keep the seed pods from forming, especially in the coloured varieties. Height about 1 foot.

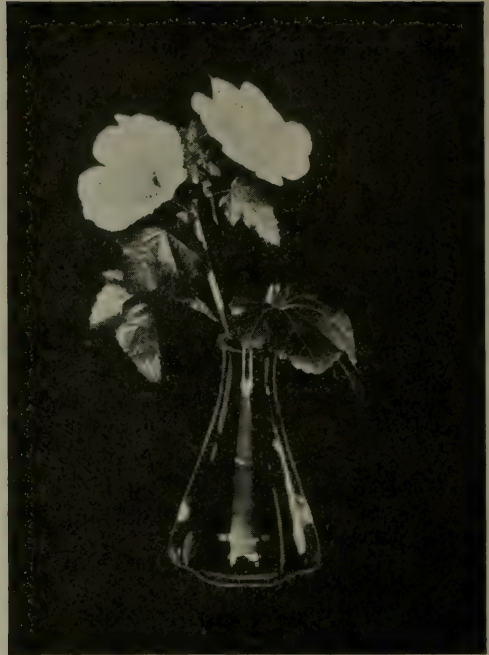
Varieties:

Giant White Spiral, large flowered, white, continuous bloom.
 Hyacinth-flowered, large-flowered, white, continuous bloom.
 Sweet Scented, white flowers later blooming.
 Carmine, early blooming.
 Lilac Queen, early blooming.
 Rich Purple, early blooming.

Impatiens balsamina, Garden balsam. The catalogues list two types of this plant, camellia-flowered and rose-flowered, but there does not seem to be much difference between them as grown at the Central Farm. They are upright-growing plants with thick transparent-looking stems around which the short-stemmed flowers grow out from the axils of the leaves. The stem is topped with a tuft of leaves. The flowers individually are beautiful but they are too much hidden by the leaves to be really effective. The seed must be started indoors and the plants put out in June. They are very sensitive to frost. The colours are delicate and beautiful except the spotted varieties, which are only peculiar. Height about 2 feet.



Candytuft. (See under *Iberis*).



Lavatera—"Sutton's Loveliness".



Balsam—Camellia-flowered. (See under *Impatiens*).



Lobelia tenuior.

Kochia tricophylla, Summer cypress, Firebush. This is the well-known foliage plant that resembles a dwarf light-green tree in summer but colours brilliantly in fall. The seed should be sown indoors to get early plants, but once grown, seedlings come up each spring. Let the plants have about 2 feet of space so that they can grow into a good shape. Height, 2 to 3 feet.

Lathyrus odoratus, Sweet pea. This is probably the most popular of all annuals, for its charming form, beautiful colours and delicate fragrance appeal to everyone, and for decoration in the home few flowers can compare with it. Sweet peas will grow in most places and in all kinds of soil, but to get the finest bloom, special conditions are necessary, which, unfortunately, are beyond one's control. Deep, rich, medium heavy loam, well drained; cool nights, and fairly moist atmosphere with plenty of sunshine are the ideal conditions. Sweet peas, as a rule, are grown in rows and it is best to prepare the ground in the fall. Dig a trench about 2 feet deep, 2 feet wide, and as long as is required. Thoroughly break up the soil at the bottom and add a layer of well-rotted stable manure, which should be thoroughly mixed with the soil. Leave the top spit broken up so that it will be exposed to the action of the frost. If the soil is very heavy, long stable manure should be used, as it will tend to lighten the soil and improve the drainage. As early as possible in the spring, that is, when the frost is out of the ground and the soil has dried, bone meal and superphosphate of lime can be scattered over the place where the seeds are to be sown, well mixed in and the surface smoothed. If the soil is too loose, it should be consolidated by forking and treading. Sow the seeds singly in a double row, the seeds to be about 4 inches apart each way and about 2 to 3 inches deep. Supports of some kind should be placed in position at once and brush, chicken wire, or any other suitable material can be used. The time of sowing depends on the locality and the type of soil. Light soils dry much more quickly than heavier ones. The reason for early sowing is that the roots will be well started and deep down in the cool ground before the hot weather comes. Seed can be sown in autumn, but the results are very uncertain and it cannot be recommended as a general practice though it is an interesting experiment, and, if successful, the flowers may bloom about two weeks ahead of those sown in spring.

There are two distinct types of flowers, grandiflora and Spencer. The Spencer is the most popular with its waved petals and beautiful colours, which are much more varied than in the older type. There are a large number of varieties of sweet peas and new ones are put on the market every year, so that a list soon becomes out of date.

Varieties:

White—Constance Hinton, King White.

Cream—Matchless.

Pink—Elegance, Beryl, Picture, Daisybud, Improved Margaret Atlee, Hawlmark Pink, Mrs. G. W. Bishop, Doris, Renown, Honor Bright.

Cerise—Lucifer, Royal Scot.

Red—Wonderful, Charity, Crimson King.

Maroon—Ravenswing.

Purple—Floradale Purple.

Lavender—R. F. Felton, Hawlmark Lavender.

Blue shades—Celeste, Mrs. Tom Jones, Jack Cornwell, Commander Godsall.

Picotée—Annie Ireland, Jean Ireland.

Lavatera trimestris. This is a useful annual which can be sown outdoors or started inside. It is a large bushy plant with good foliage and a profusion of flowers. There are white and pink forms. The variety Lavatera Loveliness is a beautiful shade of pink. Height from 1 to 2 feet.

Leptosiphon is one of the daintiest dwarf annuals for a sunny position and has small starry flowers in various shades of mauve, pink and yellow. They make small compact clumps of colour. Height, 6 inches.

Leptosyne maritima, L. stillmani. Early-flowering annuals of good habit, flowers yellow, resembling coreopsis. Height 1 to 2 feet.

Linaria. The annual species of this plant are good both for garden effect and for cutting. They resemble small antirrhinums and come in various colours, white, yellow, pink and crimson and gold. Height, 1 to 1½ feet.

Lobelia. There are three types of lobelia used as annuals, compact, spreading and *L. tenuior* and all come in various shades of blue, mauve and white. Compact is useful for edging beds, height 6 inches.

Varieties:

Large Flowered Cambridge Blue,
Crystal Palace Blue,
Mauve,
Royal Purple,
Blue with white eye.

Spreading or trailing is also useful as an edging and for hanging baskets and window boxes, height 9 inches.

Varieties:

Sutton's Basket, blue with white eye,
Sapphire.

tenuior (*ramosa*), a taller species, makes good plants for the garden and is also useful as a cut flower.

Varieties:

Blue,
Mauve,
White.

All lobelia seed must be sown indoors in March, as they are very slow-growing seedlings. They start to bloom in early July and continue until the first severe frost.

Lupinus. Annual varieties have been greatly improved in recent years and can now be had in several beautiful shades of blue, blue and white, pink, cream and pink and yellow. They are excellent border plants, their spikes of pea-shaped flowers showing up well above the beautiful foliage. All seed-pods should be kept cut off or the plants will soon stop flowering. Height, 1½ to 2 feet.

Varieties:

L. hartwegii, white,
L. " azure blue,
L. mutabilis, cream and pink.
L. dwarf yellow.

Malcomia maritima, Virginian stock, is one of the easiest annuals to grow. The seed should be sown where it is to flower. It is a loose growing plant, with quantities of small starry flowers which bloom from the beginning of July until frost. The colours are white, pink and mauve. Height, 18 inches.

Malope is very like *Lavatera*. Colours white, pink, crimson.

Marigold (see *Tagetes*).



Lupines. (See under *Lupinus*).



Helichrysum



Ten-Week stocks. (See under *Matthiola*).



Annual poppy—French ranunculus variety.
(See under *Papaver*).

Matthiola incana annua, Stocks. The Ten-Week varieties are the best for Canadian conditions and they make a very useful and beautiful plant. One difficulty and frequent cause of disappointment in growing them is the number of single-flowering plants which always appears even in the best strains of doubles.

Varieties:

Sutton's Dwarf Large-flowering make compact plants about 1 foot high. Colours, brilliant rose, copper-red, dark blue, flesh, white.

Sutton's Giant Perfection are a little larger plants, height about 18 inches. Colours, chamois, purple, yellow, white.

Dobbie's Large-flowering, about 1 foot high. Colours, crimson, flesh, light rose, violet, white.

These are the earliest flowering types grown at Ottawa and come into bloom the middle of July from seed sown in the greenhouse in April.

M. bicornis. The night-scented stock, is grown for its fragrance, which, as the name suggests, is very strong in the evening, especially when the atmosphere is moist. The flower and plant are not effective in the day-time. Sow the seed where it has to bloom.

Mignonette (see **Reseda**).

Mirabilis, Marvel of Peru or four o'clock, is really a tender perennial, but it is generally grown as an annual. Seeds should be sown indoors in April and the seedlings transplanted into the garden in June. They bloom from the middle of July until frost. They make large bushes and are very ornamental in late summer. The colours are white, red, yellow and mottled red and white. Height about 2 feet. The tubers can be treated like dahlias if desired.

Nasturtium (see **Tropaeolum**).

Nemesia. This is a species of plant that is not very well known, but is well worth growing. The seed should be sown indoors in April and planted out in June. It blooms from the beginning of July until frost. Height, 1 to 1½ feet.

Varieties:

Sutton's large flowering—

Cherry red,
Rich orange,
Rose pink.

Sutton's Hybrids—

Aurora, red and white,
Blue Gem,
Twilight, blue and white.

Nicotiana affinis. The white variety is well known for its fragrance which scents the air in the evening. A red variety called Sutton's Scarlet is very effective in the border. When sown indoors and planted out in June, nicotiana will bloom from the middle of July until severe frost.

Oenothera drummondii nana is a half hardy annual of spreading habit. The flowers are large and lemon yellow in colour. Blooms from middle of July to hard frost from seed sown indoors in April. Height, 1½ feet.

Omphalodes linifolia, Venus' navelwort. The flowers of this little-known plant resemble a white forget-me-not and are very effective against the greyish green leaves. Height about 1 foot.

Pansy (see **Viola**).

Papaver. Annual poppies belong to several species of papaver, all of which should be sown where they are to bloom, as they do not transplant well.

P. rheas, Shirley, is the most popular variety and few flowers are more beautiful; they are medium size and the colours are very delicate. Some are white tipped with pink, others soft shades of salmon rose and others again are bright red. The blue shades are more curious than beautiful. There are now double forms in several shades. The open flowers are useless for cutting but if the buds are gathered in the morning just as the calyx is dividing and put into water immediately they will open out and last for a few days in the house. Height, $2\frac{1}{2}$ feet. French Ranunculus seem to be the same as Double Shirleys.

P. somniferum are also annuals but easily distinguished from others by their greyish-green foliage and stems. They are more upright growers and the flowers are large and many of them very double with finely cut petals. They have a peculiar odour which is unpleasant in the house. The colours are not so pleasing as in the Shirley, but have a place in the garden. Height, $2\frac{1}{2}$ feet.

Varieties:

Carnation flowered,
Paeony flowered,
The Mikado.

P. glaucum. Tulip poppy is a dwarf plant with bright scarlet single flowers. Height, 9 inches.

Perilla is grown entirely for its rich bronze foliage.

Varieties:

P. atropurpurea laciniata.
P. nankinensis.

Petunia. This is one of the most satisfactory annuals for warm and sunny positions. The seeds are best sown indoors, but they can be sown in the garden for late bloom. Most varieties have a trailing habit and are useful in window boxes. The blooms are medium to large and the shades are white, pink, magenta and violet. There are both single and double flowers and many are frilled and ruffled. The upright flowering varieties are good bedding plants. Rosy Morn is one of the most popular. Height about $1\frac{1}{2}$ feet.

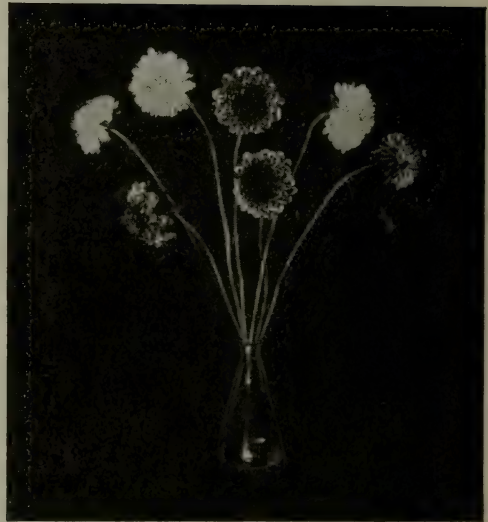
Varieties:

Double—
Pink fringed.
Single—
Giants of California,
Leviathan,
Superb Violet.

Phlox drummondii. No one should be without this useful annual in his garden. The colours are rich and varied, but always beautiful and the plants are one mass of bloom until severe frost. The flowers are fragrant also and make good cut flowers, especially when arranged in a mixed bouquet. There is a great variety of colours: white, cream, salmon, bright red, rich crimson, violet, red with white eye, violet with white eye, and others. The habit of the plant is spreading, though there is a dwarf compact type which is useful in some positions. Sow the seeds indoors in April and plant out in June and there will be flowers from the end of June until severe frost. Height, $1\frac{1}{2}$ to 2 feet. If the seed is sown outdoors, the plants will be about three weeks later in coming into bloom.



Phlox drummondii.



Sweet scabious.



Salpiglossis.

Polygonum, Sutton's Ruby Gem, is a very effective flower for the border. The long spikes of flowers stand up well above the leaves, which are large and light green in colour. Sow seed indoors and plant out in June and they will bloom from the end of June until frost. Height, 3 feet.

Poppy (see *Papaver*).

Portulaca is excellent for growing in a hot, dry position in full sun. The seed should be sown where it is to bloom. The plant is very dwarf, just spreads over the ground, which is soon covered with the bright and beautiful flowers. They close up at night but open when the sun shines. The first frost kills them.

Reseda odorata. Mignonette needs care in transplanting and the seed is best sown where it is to bloom, and the seedlings well thinned out. The spikes of brownish-green flowers are very fragrant and the perfume from the mignonette bed is delightful. Height, 1 to 2 feet.

Varieties:

Machet,
Miles Spiral,
Sweet Scented,
Giant Red,
Giant Yellow.

Rhodanthe (see *Helipterum*).

Ricinus communis, Castor-oil plant. This is the well-known foliage plant with very large leaves that is frequently seen in the centre of beds in parks. The seed must be started indoors in March. Height about 4 feet.

Rudbeckia, Golden Sunset, is a useful annual with large yellow daisy-like flowers. It blooms from early in June until severe frost, if the seed is started indoors. The seed can be sown where the plants are to bloom. Height about 1½ feet.

Salpiglossis. This is a highly ornamental plant with large, conspicuously veined funnel-shaped flowers. They are very gorgeously coloured and are useful both in the garden and the house. Sown indoors in April they should bloom from the end of July until frost. Height, 2 to 3 feet.

Varieties:

Golden Yellow,
Crimson Gold Veined,
Rich Purple.

Salvia splendens. This late blooming brilliant scarlet sage is too well known to need description. The variety "Fireball" is the earliest. Sow the seed indoors in April and the plants should bloom from the end of July until severe frost. Height, 18 inches.

Varieties:

Fireball,
America,
Pride of Zurich.

There are two other annual sages well worth growing in the garden. Bluebeard, with dark purple bracts; Pink Gem, with pale pink bracts.

Scabiosa. Sweet scabious or pin-cushion plant is one of the best annuals. Easily grown from seed sown indoors or outdoors, the plants bloom until severe frost. They are a good shape, nicely branched and covered with bloom. Height about 2½ feet. They are excellent for house decoration and the beautiful shades of the flowers blend very well with others. There are single and dwarf varieties, but the large-flowering double are most useful.

Varieties:

Azure Fairy,
 Cherry Red,
 Dark Purple and White,
 Mauve,
 Rose,
 White,
 Crimson and White.

Schizanthus. Butterfly flower is a pretty fairy-like annual and under suitable conditions makes plants which are masses of bloom. The foliage is finely cut and quite attractive. Height $1\frac{1}{2}$ feet to 2 feet.

Varieties:

Wisetonensis Pink and Crimson.
 Wisetonensis Snowflake.
 Retusus.
 Retusus Rosy Gem.
 Hybridus Rose and Amber shades.

Sedum caeruleum, a dwarf plant with fleshy leaves and dainty blue flowers. In bloom from end of June to end of August. Height, 4 inches.

Statice, Sea lavender. The annual varieties of statice are very useful everlasting flowers and add greatly to the appearance of a winter bouquet. They need the same treatment as other half-hardy annuals and bloom from the middle of July until frost. Height about 2 feet.

S. sinuaia has the flowers arranged in one-sided panicles and they are very ornamental in the garden as well as dried. They keep their colour for a long time.

Varieties:

Mauve,
 Rose,
 Royal blue,
 Yellow,
 White.

S. suworowi has long narrow close spikes of small rose-coloured flowers.

Stocks (see **Matthiola**).

Sunflower (see **Helianthus**).

Swan River Daisy (see **Brachycome**).

Sweet Sultan (see **Centaurea**).

Sweet Peas (see **Lathyrus odoratus**).

Sweet William (see **Dianthus**).

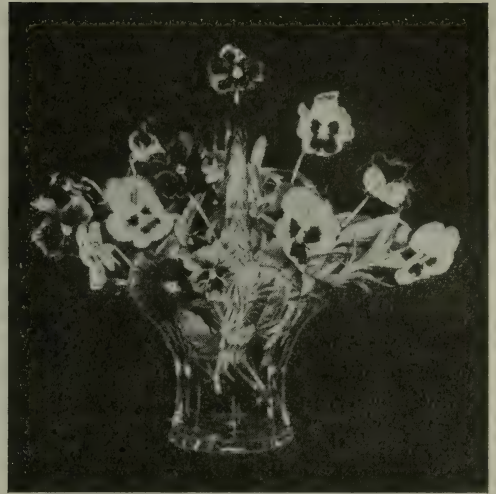
Tagetes. Marigolds are useful garden plants, giving large quantities of bloom from the middle of July until frost. They make shapely bushes and their fern-like leaves are very attractive and show up the rich colours of the flowers well. The soil should not be too rich. African Marigolds have very large double or single blooms in shades of lemon or orange. Height about $3\frac{1}{2}$ feet.

Varieties:

Orange Beauty, single, very vivid colour.
 Sutton's Lemon, very pale shade.
 Dobbies, Lemon Queen is deeper.
 Dobbies, Prince of Orange, rich orange and fine double flower.
 Sutton's Giant Orange is much the same.



African marigold. (See under *Tagetes*).



Pansies. (See description under *Viola*).



Verbena.



Zinnia—"Curled and crested".

French marigolds are not such large plants, and the flowers are much smaller. The colours are shades of yellow with mahogany-brown markings on some varieties.

Varieties:

Tall French, height $2\frac{1}{2}$ to 3 feet—

Striped or Blotched yellow ground, mahogany markings.

Orange.

Dwarf, height 1 to $1\frac{1}{2}$ feet—

Diadem, single mahogany margined yellow.

Legion of Honour, single yellow blotched brown.

The plant that is generally spoken of as tagetes in catalogues is *T. pumila* and is a very effective dwarf edging plant which makes a compact row covered with small bright yellow flowers. Sutton's Golden Gem is a good named variety, height 9 inches.

Tropaeolum canariense. Canary creeper is a pretty climbing plant with bright yellow flowers and light green leaves. It is best to start the seeds indoors if possible in order to get bloom earlier.

T. major and minus. Tall and dwarf nasturtiums are well known to everyone. The seed should be sown where it is to bloom. The soil should not be too rich, as, if it is, the leaves grow so luxuriantly that they hide the flowers. The tall varieties can be trained over fences or allowed to ramble at will anywhere in the garden. The dwarf varieties are good border plants. All kinds are useful cut flowers, especially for bowls. The colours are distinct shades of yellow, orange and red.

Venus Navelwort (see *Omphalodes*).

Verbena hybrida is one of the most useful annuals. They are of spreading habit and will make large clumps covered with flowers which are very effective in the garden. The flowers are in flat heads and the colours are varied and beautiful, from pure white to deep red and dark purple; some are self-coloured and others have a white eye. They have a delicate perfume, which is very pleasing when the blooms are used for house decoration. Occasionally the varieties do not come true from seed but any special plant can easily be propagated from cuttings. From seed sown indoors in March, transplanted once and planted out in the middle of June, the plants should bloom from early July until severe frost.

Varieties:

Ellen Willmott, pink with white eye.

Lucifer, vivid scarlet.

Sutton's Superb Bedding, different shades.

Sutton's Giant Pink.

Sutton's Giant White.

Viola tricolor. The well-known pansy is really a biennial but it is frequently grown as an annual, as the seeds started indoors early will bloom in late summer. To get early spring blooms, the seed must be sown in boxes or a shady seed-bed in the middle of July, transplanted into cold frames in August and left there until spring. In the cold sections when the weather turns frosty, fill up the frame with dry leaves and cover with boards for winter protection. In mild districts the seedlings can be put out in the beds, where they are to bloom, in fall. They will bloom all season if the dead flowers are kept cut off and no seed pods allowed to form. There are a great number of varieties and the seeds of good ones are expensive. A good mixture is the best for an ordinary garden.

Tufted pansies, frequently called violas, are treated the same way as pansies. They are self-coloured and there are many different shades. They are more compact in growth and very useful for edging beds. They can be propagated by cuttings.

Virginian stock. (See *Malcomia*.)

Xeranthemum annuum, an everlasting flower, that is quite ornamental as a garden plant with its pretty double flower held well above the foliage. Unfortunately the colour fades with drying.

Zinnia is well known in its old form with small flowers and harsh colours, but within recent years this plant has been greatly improved so that now we have large bushes covered with very large beautiful flowers in various colours, as well as good dwarf kinds for edgings. From seeds sown indoors in March, transplanted into a cold frame in April, and planted into the garden early in June, we have flowers from the beginning of July until frost. Types with quilled, curled and twisted petals can now be bought and some of these are good, but apparently the different types are not yet fixed so that the seedlings vary greatly. This is also true of the colours of zinnias.

Large-flowered varieties, height 2 to 2½ feet—

Dahlia-flowered, in various colours.

Queen of Roses, shades of pink.

Picotee. Mixed colours.

Quilled. Mixed colours.

Curled and Crested. Mixed colours.

Small flowers, height 1½ to 2 feet—

Fireball.

Little Red Riding Hood.

Ornamental grasses are effective in the garden but are particularly useful dried to use with winter bouquets of everlasting flowers. The seed should be treated like any other half-hardy annual.

The following have done well at Ottawa:—

Agrostis nebulosa, very fine and dainty. Height, 1 foot.

Briza maxima, "Great Quaking Grass". Height, 1 foot.

Coix lachryma, "Job's Tears," somewhat like corn in habit. The seeds are used as beads. Height, 4 feet.

Eragrostis elegans, "Love Grass". Height, 1 foot.

Lagurus ovatus, "Hare's Tail Grass". Height, 1½ feet.

Pennisetum longistylum. Height, 1½ feet.

Pennisetum ruppellianum. Height, 1½ feet.

Tricholæna rosea. Height, 2 feet.



Ten-Week stocks growing at the Central Experimental Farm, Ottawa.



Petunias growing at the Dominion Experimental Farm, Indian Head, Sask.

LISTS OF TWELVE ANNUALS BEST SUITED TO VARIOUS SECTIONS OF CANADA

The following lists have been contributed by the Superintendents of the Farms and Stations named, with the exception of the list for Ottawa which has been compiled by the Horticultural Division:—

OTTAWA, ONT.

Alyssum	Larkspur	Phlox drummondii
Antirrhinum	Marigold	Scabious
Aster	Nasturtium	Verbena
Cosmos	Petunia	Zinnia

AGASSIZ, B.C.

Godetia	Zinnia	Leptosiphon hybridus
Clarkia	Salpiglossis	Antirrhinum
Petunia	Nasturtium dwarf	Larkspur
Phlox drummondii	Malope grandiflora	Verbena

BEAVERLODGE, ALBERTA

Sweet pea	Ten-weeks stock	Linaria
Pansy	Schizanthus	Clarkia elegans
Antirrhinum	Eschscholtzia	Leptosiphon
Phlox drummondii	Aster	Salpiglossis

BRANDON, MAN.

Sweet pea	Coreopsis	Sweet Sultan
Schizanthus	Larkspur	Datura
Petunia	Malope	Ten-weeks stock
Phlox drummondii	Antirrhinum	Cosmos

CAP ROUGE, P.Q.

Aster	Ten-weeks stock	Cosmos
Sweet pea	Clarkia	Salpiglossis
Antirrhinum	Zinnia	Coreopsis
Phlox drummondii	Petunia	Mignonette

CHARLOTTETOWN, P.E.I.

Sweet pea	Malope grandiflora	Nigella, Miss Jekyll
Celosia plumosa	Schizanthus	Clarkia
Dimorphothea aurantiaca	Portulaca, double	Helichrysum
Leptosyne stillmani	Cosmos	Verbena

FORT VERMILLION, ALBERTA

Aster	Lavatera	Bartonia aurea
Cosmos	Linaria	Zinnia
Ten-weeks stock	Salpiglossis	Phlox drummondii
Sweet pea	Verbena	Dimorphothea

FREDERICTON, N.B.

Sweet pea	Marigold	Cosmos
Aster	Phlox drummondii	Salpiglossis
Ten-weeks stock	Nasturtium	Larkspur
Antirrhinum	Verbena	Poppy

INDIAN HEAD, SASK.

Sweet pea	Antirrhinum	Nasturtium
Petunia	Marigold	Zinnia
Verbena	Balsam	Malope
Phlox drummondii	Aster	Larkspur

INVERMERE, B.C.

Ten-weeks stock	Phlox drummondii	Nicotiana affinis
Aster	Dimorphotheca	Salpiglossis
Sweet pea	Nemesia	Datura wrightii
Petunia	Nasturtium	Helichrysum
Antirrhinum	Mignonette	Statice sinuata
	Poppy, Shirley and double	

LETHBRIDGE, ALBERTA

Sweet pea	Calendula	Dimorphotheca
Antirrhinum	Nicotiana	Nasturtium
Aster	Petunia	Verbena
Ten-weeks stock	Phlox drummondii	Virginian stock

KAPUSKASING, ONT.

Aster, Blushing Beauty	Carnation, Marguerite	Phlox drummondii
Aster, American Beauty	Celosia plumosa	Verbena
Pansy	Cosmos	Zinnia
Antirrhinum	Lobelia	Sweet pea

KENTVILLE, N.S.

Antirrhinum	Ten-weeks stock	Gaillardia
Phlox drummondii	Salpiglossis	Zinnia
Nasturtium	Dianthus	Nemesia
Coreopsis	Verbena	African marigold and Calendula

LACOMBE, ALBERTA

Sweet pea	Linaria	Zinnia
Shirley poppy	Dimorphotheca	Marigold
Bartonia aurea	Eschscholtzia	Petunia
Candytuft	Ten-weeks stock	Phlox drummondii

LENNOXVILLE, P.Q.

Antirrhinum	Aster	Lobelia
Zinnia	Amaranthus	Ten-weeks stock
Marigold	Ageratum	Phlox drummondii
Salvia	Verbena	Petunia

MORDEN, MAN.

Antirrhinum	Nicotiana	Verbena
Phlox drummondii	Aster, Queen of the Market	Tagetes
Petunia	Alyssum	Cosmos
Zinnia	Ten-weeks stock	Scabious

NAPPAN, N.S.

Aster	Ten-weeks stock	Petunia
Antirrhinum	Cosmos	Rhodanthe
Phlox drummondii	Calendula	Salpiglossis
Verbena	Chrysanthemum	Balsam

SAANICHTON, VANCOUVER ISLAND, B.C.

Antirrhinum	Aster	Mignonette
Ten-weeks stock	Zinnia	Verbena
Phlox drummondii	Salpiglossis	Dimorphotheca
Godetia	Cosmos	Nemesia

SCOTT, SASK.

Sweet pea	Phlox drummondii	Lobelia
Aster	Salpiglossis	Verbena
Ten-weeks stock	Nemesia	Larkspur
Antirrhinum	Tagetes	Petunia

STE. ANNE DE LA POCATIERE, P.Q.

Aster	Phlox drummondi	Petunia
Sweet pea	Ten-weeks stock	Zinnia
Clarkia	Larkspur	Nigella, Miss Jekyll
Cosmos	Salpiglossis	Salvia

SUMMERLAND, B.C.

Alyssum	Antirrhinum	Clarkia
Zinnia	Phlox drummondi	Salpiglossis
Brachycome	Aster	Lobelia
Petunia	Nemesia	Leptosiphon

TWELVE BEST ANNUALS FOR OUTSIDE SOWING

OTTAWA, ONT.

Alyssum	Cosmos	Portulaca
Calendula	Eschscholtzia	Poppy, Shirley
Candytuft	Mignonette	Sunflower
Coreopsis	Nasturtium	Sweet pea

AGASSIZ, B.C.

Godetia	Salpiglossis	Larkspur
Clarkia	Nasturtium, Tom Thumb	Linaria
Phlox drummondi	Malope	Candytuft
Zinnia	Leptosiphon hybridus	Schizanthus

BEAVERLODGE, ALBERTA

Sweet pea	Schizanthus	Antirrhinum
Pansy	Linaria	Aster
Eschscholtzia	Calendula	Cosmos
Poppy	Phlox drummondi	Ten-weeks stocks

BRANDON, MAN.

Portulaca	Bartonia aurea	Cosmos
Linaria	Coreopsis	Mignonette
Linum	Calendula	Alyssum
Godetia	Malope	Poppy

CAP ROUGE, P.Q.

Sweet pea	Didiscus coerulea	Centaurea cyanus (cornflower)
Mignonette	Poppy	Nemesia
Nasturtium	Clarkia	Dianthus
Phlox drummondi	Nigella	Alyssum

CHARLOTTETOWN, P.E.I.

Sweet pea	Nigella, Miss Jekyll	Mignonette
Aster	Schizanthus	Nasturtium dwarf
Dimorphotheca aurantiaca	Malope	Shirley poppy
Clarkia	Matthiola bicornis	Rhodanthe

INDIAN HEAD, SASK.

Sweet pea	Clarkia	Virginian stock
Nasturtium	Candytuft	Shirley poppy
Calendula	Mignonette	Malope
Larkspur	Petunia	Sweet Sultan

INVERMERE, B.C.

Sweet pea	Clarkia elegans	Eschscholtzia
Nasturtium	Poppy	Calendula
Mignonette	Dimorphotheca	Sunflower
Candytuft	Coreopsis	Virginian stock

LETHBRIDGE, ALBERTA

Sweet Pea
Nasturtium
Calendula
Lavatera

Larkspur
Shirley poppy
Marigold
Dimorphotheca

Mignonette
Sweet Sultan
Godetia
Alyssum

KAPUSKASING, ONT.

Alyssum
Alonsoa warscewiczii
Candytuft
Nasturtium

Shirley poppy
Sweet pea
Virginian stock
Mignonette

Linaria
Datura
Clarkia
Calendula

KENTVILLE, N.S.

Nasturtium
Poppy
Coreopsis

Virginian stock
Gaillardia
Larkspur
Phlox drummondii

Gysophila
Godetia
Calendula

LACOMBE, ALBERTA

Sweet pea
Shirley poppy
Bartonia aurea
Candytuft

Linaria
Eschscholtzia
Chrysanthemum
Larkspur

Mignonette
Calendula
Portulaca
Nasturtium

LENNOXVILLE, P.Q.

Sweet pea
Lavatera
Candytuft
Poppy

Calendula
Alyssum
Malope
Larkspur

Godetia
Nasturtium
Mignonette
Helichrysum

MORDEN, MAN.

Portulaca
Shirley poppy
Lavatera
Clarkia

Calendula
Nasturtium
Linaria
Sweet pea

Nigella
Godetia
Mignonette
Centaurea cyanus

NAPPAN, N.S.

Nasturtium
Poppy

Candytuft
Mignonette

Alyssum
Sweet pea

SAANICHTON, B.C.

Poppy
Phlox
Godetia
Marigold

Mimulus
Calendula
Myosotis
Cosmos

Zinnia
Mignonette
Nasturtium
Centaurea cyanus

SCOTT, SASK.

Sweet pea
Shirley poppy
Eschscholtzia
Nemesia

Tagetes
Portulaca
Linum
Alyssum

Virginian stocks
Candytuft
Mignonette
Nasturtium

STE. ANNE DE LA POCATIERE, P.Q.

Sweet Sultan
Eschscholtzia
Clarkia
Larkspur

Cosmos
Lavatera
Helichrysum
Godetia
Chrysanthemum

Dimorphotheca
Bartonia aurea
Mignonette
Candytuft

SUMMERLAND, B.C.

Alyssum
Clarkia
Leptosiphon
Nasturtium

Schizanthus
Salpiglossis
Brachycome
Dimorphotheca

Mignonette
Phlox drummondii
Shirley poppy
Tagetes

LISTS OF ANNUALS FOR SPECIAL PURPOSES

EDGING BEDS AND BORDERS

Ageratum	Ionopsidium acaule	Pansy
Alyssum	Leptosiphon	Portulaca
Antirrhinum dwarf	Limnanthes douglasi	Sanvitalia
Candytuft	Lobelia	Sedum coerulea
Dimorphotheca	Matricaria	Tagetes
Eschscholtzia	Nasturtium dwarf	

BEDS

Antirrhinum	Marigold	Stock
Aster	Petunia	Verbena
Dianthus Hedderigi	Phlox drummendi	Zinnia

SCREENS OR HEDGES

Artemisia sacrorum	Dahlia	Lavatera Loveliness
Castor-oil bean	Hemp	Marigold African
Cosmos	Kochia	Sunflower

CLIMBERS

Cobaea scandens	Gourds	Ipomoea
Convolvulus	Sweet Pea	Nasturtium, tall
Echinocystis	Humulus	Tropaeolum canariense

FRAGRANCE

Alyssum	Mignonette	Sweet peas
Carnation, Marguerite	Nicotiana affinis	Sweet Sultan
Marvel of Peru	Petunia	Stocks
Matthiola bicornis	Phlox drummondii	Verbena
	Scabious	

CUT FLOWERS

Antirrhinum	Didiscus	Polygonum, Ruby Gem
Aster	Gaillardia	Poppy
Brachycome	Gypsophila	Salpiglossis
Browallia	Lavatera	Scabious
Calendula	Larkspur	Schizanthus
Chrysanthemum	Lupine	Stock
Cosmos	Marigold	Sunflower, small
Coreopsis	Mignonette	Sweet pea
Dahlia	Nasturtium	Sweet Sultan
Dimorphotheca	Nemesia	Verbena
Dianthus	Pansy	Zinnia
	Phlox drummondii	

WINTER BOUQUETS

Accroclinium	Helichrysum	Xeranthemum
Ammobium	Rhodanthe	Ornamental grasses
Gomphrena	Statice	

FOLIAGE

Amaranthus	Centaurea ragusina	Hemp
Artemisia sacrorum	Chilian Beet	Perilla
Celosia cristata	Euphorbia marginata	Pyrethrum (Golden Feather)
Centaurea gymnocarpa	Kochia	Ricinus (Castor-Oil plant)

ANNUALS WHICH SEED THEMSELVES

Alyssum	Coreopsis	Nasturtium
Calendula	Cosmos	Poppy
Candytuft	Eschscholtzia	Sunflower
Centaurea cyanus	Larkspur	Virginian stock
	Linaria	

ANNUALS WHICH WILL GROW IN PARTIAL SHADE

Alyssum
Candytuft
Clarkia
Godetia
Ionopsidium acaule

Larkspur
Lupine
Marvel of Peru
Nemophila
Nicotiana

Oenothera drummondii
Pansy
Phlox drummondii
Verbena

DROUGHT RESISTANT

Alyssum
Antirrhinum
Bartonia aurea
Browallia elata
Calendula
Celosia
Centaurea cyanus
Convolvulus minor
Coreopsis

Dimorphotheca
Eschscholtzia
Gaillardia
Lavatera
Linaria
Lobelia ramosa
Marigold
Nemesia
Perilla

Petunia
Portulaca
Salpiglossis
Schizanthus
Stock
Sunflower
Sweet Sultan
Tagetes

UNCOMMON ANNUALS OF MERIT

Argemone
Bartonia aurea
Diascia barberae
Didiscus coeruleus

Echium plantagineum
Leptosyne maritima
Leptosiphon hybridus

Omphalodes linifolia
Sanvitalia procumbens
Sedum coeruleum



Phlox drummondii growing at the Dominion Experimental Farm, Brandon, Man.

LIST OF ANNUALS TESTED AT THE CENTRAL EXPERIMENTAL FARM, OTTAWA

The list of the varieties of annual flowers tested at the Central Experimental Farm is given in the following pages, together with the years when each variety has been under test. Readers interested in trying any of the varieties listed here may obtain full information with regard to them by writing the Horticultural Division, Central Experimental Farm, Ottawa.

<i>Abronia umbellata</i>	1914, 1915	<i>Hawlmare mixed</i>	1919, 1920
<i>Acerolinium</i> —		pink	1915, 1918
album	1913	purple	1915
double rose	1912, 1917, 1922, 1924	salmon	1915, 1916
single rose	1912-1915, 1923, 1924	scarlet	1915
single white	1912, 1913, 1923, 1924	white	1915-1917
<i>Adonis aestivalis</i>	1914, 1915, 1923	yellow	1915
<i>Ageratum</i> —		<i>Tom Thumb</i> —	
dwarf white	1924	carmine and white	1922, 1923
Imperial dwarf blue	1922, 1923	copper red	1922, 1923
Mauve Beauty	1916-1919	crimson	1915, 1916, 1918, 1922, 1923
mexicanum	1919	crimson and gold	1915, 1916, 1921
Little Blue Star	1923	Crimson King	1921
<i>Agrostemma coelirosa</i>	1923	delicate pink	1921
<i>Alonsoa</i> —		mixed	1919, 1920
compacta scarlet	1920, 1921	old rose	1921
gracilis	1913, 1914, 1923	pale apricot	1921
mutisi	1923	rose	1915, 1916
warscewiczii compacta	1912-1923	White Queen	1921-1923
<i>Alvssum</i> —		yellow	1921-1923
Little Dorrit	1915, 1916, 1922-1924	Yellow Queen	1914-1916, 1918-1920
minimum	1917, 1923, 1924	<i>Intermediate</i> —	
purple	1916	Art shades mixed	1914-1919
sweet	1916, 1918	bright pink	1921, 1924
Lilac Queen	1914, 1915, 1924	bright crimson	1915-1922, 1924
<i>Amaranthus</i> —		Buff Beauty	1924
Love-lies-bleeding	1913	buff pink	1924
melancholicus ruber	1918, 1919, 1923	carmine pink	1920, 1924
tricolor splendens, 1914, 1915, 1917, 1921-1923		canary yellow	1924
Prince's Feather	1923	Cloth of Gold	1921
salicifolius	1923, 1924	coral red	1921-1924
Sunrise	1923	cream tinted pink	1924
<i>Amberboa muricata rosea</i>	1916	crimson	1924
<i>Ammobium alatum grandiflorum</i> , 1912, 1914, 1923		deep crimson	1921, 1923
<i>Anagallis</i> —		delicate pink	1916, 1924
blue	1914, 1923	delicate shades, mixed	1915, 1916, 1918, 1920-1923
scarlet	1914, 1923, 1924	Fireflake	1915
<i>Anchusa</i>	1916-1923	Fireking	1921-1924
<i>Antirrhinum, Snapdragon</i> —		giant delicate pink	1924
Dwarf varieties—		Golden Morn	1921
Cottage Maid	1914, 1915	Mauve Beauty	1921, 1924
golden yellow	1915, 1916	Mauve Queen	1924
Nelrose	1915, 1919, 1920	mixed colours	1916, 1919, 1920
orange	1915, 1916, 1922, 1923	Nelrose	1921, 1924
pale coral pink	1915, 1916, 1918-1920	Orange King	1913-1916, 1918-1922, 1924
Pink Gem	1915, 1916, 1919	pale apricot	1921, 1924
Radiance	1923	Prima Donna	1921, 1923
Rose Dore	1914, 1915	rich apricot	1917-1921, 1924
salmon rose	1915, 1916	Rosy Queen	1916-1922, 1924
scarlet	1915, 1916	Ruby	1924
Scarlet King	1914, 1915	Sunset	1915, 1916
The Bride	1914, 1915	Victory	1922, 1924
The Fawn	1915, 1916	white	1920, 1924
Vesuvius	1914, 1915	White Beauty	1923
white	1915, 1916	white double	1914, 1915
		yellow	1921-1924

Antirrhinum, Snapdragon—*Con.*

Tall—	
bright pink..	1921
chamois..	1922, 1923
coral red..	1921
Dawn..	1922
deep crimson..	1921-1923
delicate pink..	1921
delicate rose..	1923
delicate shades mixed..	1915-1918, 1920, 1922
Fire King..	1917-1921
Giant Buff..	1921
Giant Crimson..	1921, 1922
Striped..	1922
Rose..	1922
Yellow..	1922, 1924
Golden Chamois..	1921
majus mixed..	1920
Peachlow..	1923
Rose..	1920
Venus..	1920
mixed..	1915, 1918-1921
New Exonia..	1915, 1916
Orange King..	1921
pink and white..	1922, 1923
Pink Pearl..	1915
pure white..	1922, 1923
scarlet and gold..	1922
white..	1916, 1921
yellow..	1915, 1916, 1920, 1922, 1923
New bedding—	
apricot..	1923
bright pink..	1923
cherry red..	1923
orange red..	1923
yellow..	1923
Arctotis grandis..	1914-1916, 1920-1923
Argemone grandiflora, Mexican or Prickle-poppy..	1923
Arnebia cornuta..	1913, 1914
Artemisia sacorum viridis—	
Summer fir..	1912, 1923
Asperula azurea setosa..	1914, 1921, 1924
Aster—(Callistephus chinensis)—	
Alexandria—	
crimson..	1915
dark blue..	1915
mauve..	1915
rose..	1915
salmon blush..	1915
white..	1915
Anemone-flowered—	
giant mauve..	1922, 1923
giant pink..	1916-1920, 1922, 1923
Asterum—	
lavender..	1923
pink..	1923
white..	1923
Early branching—	
Black Knight..	1924
crimson..	1915, 1916, 1924
dark violet..	1915, 1920, 1922, 1923
lavender..	1915, 1917
lavender pink..	1915
mixed colours..	1915, 1916
purple..	1915, 1917
red..	1918
rose..	1913, 1915, 1917, 1919, 1920, 1922, 1923

Aster—(Callistephus chinensis)—*Con.*

rosy red..	1919
shell pink..	1915, 1916
white..	1913, 1915, 1917, 1919, 1922, 1923
Late branching—	
Autumn Glory..	1914-1916, 1922, 1923
Claret..	1913-1918
crimson..	1913-1920
dark violet..	1913-1919, 1922, 1923
deep pink..	1913-1916
Heart of France..	1922-1924
lavender..	1913-1915, 1918-1923
lavender pink..	1918-1920
mixed colours..	1912, 1914, 1916, 1918-1920
peach blossom..	1913-1920, 1922
peerless pink..	1914-1920
pink..	1913-1917, 1919, 1920, 1922
plum colour..	1915, 1918-1920
purple..	1913-1920, 1922, 1923
rose..	1913-1917, 1919, 1920, 1922, 1923
rose pink..	1918-1920
snowy white..	1913-1920, 1922, 1923
white..	1913
Mary Semple shell pink..	1923
Semple lavender..	1914-1918, 1920
Semple mixed colours..	1912, 1913
Semple pink..	1915, 1916
Chrysanthemum-flowered—	
bright rose..	1917
dark blue..	1917
fiery scarlet..	1917-1920
flesh..	1917
light blue..	1917
white..	1917
Crego—	
giant mixed..	1912, 1914, 1915
pink..	1915, 1920
purple..	1920, 1923
rose..	1923
shell pink..	1923
white..	1920, 1923
Comet—	
blue and white..	1913
carmine..	1913
crimson..	1913
dark blue..	1913, 1920
dark scarlet..	1913
lavender..	1923
light blue..	1913
Meteor..	1914, 1920, 1922, 1923
mixed colours..	1914, 1915
peach blossom..	1913
pink..	1913
reddish lilac..	1913
rose..	1913
scarlet..	1915, 1917
Snow Queen..	1917-1920, 1922, 1923
white..	1913
Giant comet—	
azure blue..	1913, 1914
brilliant colours..	1914, 1920
Blushing Beauty..	1913-1923
Buff Beauty..	1914-1920, 1922, 1923
crimson..	1913, 1914
mauve..	1913, 1914
mixed colours..	1912-1920

Aster—(*Callistephus chinensis*)—*Con.*

rose	1913, 1914, 1920
salmon rose	1913, 1914
white	1913, 1914
Triumph comet—	
lavender	1914, 1918-1920
mixed	1915, 1916
purple	1914, 1916-1920
rose	1914, 1916, 1918-1920
shell pink	1914, 1916, 1918-1920
white	1914, 1918-1920
Giant French—	
azure blue	1916
blood red	1922, 1923
blue	1916
brilliant rose	1923
crimson and white	1916
dark blue	1916, 1922, 1923
fiery scarlet	1923
light blue	1922, 1923
mixed colours	1915, 1916, 1920
rosy pink	1916
scarlet	1922
white	1916, 1922, 1923
Hohenzollern—	
crimson	1913
dark blue	1913
late rose	1912, 1913
late white	1912, 1913
mauve	1913
mixed colours	1912
rose	1913
salmon blush	1913
shell pink	1916
white	1913, 1916
Imperial—	
Bluebird	1919, 1920, 1922-1924
Giant Daybreak	1915, 1916, 1918, 1920, 1922, 1923
Giant Purity	1913, 1915, 1917-1920, 1922, 1924
Giant purple	1917-1920
rose	1919, 1920, 1922, 1923
salmon	1916-1920
Sunrise	1913, 1918-1920
Sunset	1919
violet	1915, 1916
yellow	1915-1917
King—	
crimson	1914-1920
Fire	1912, 1915-1920
lavender	1914, 1916
lavender pink	1922-1924
mixed colours	1918-1920
pink	1914-1916, 1919, 1920
primrose	1915
rose	1913-1916
violet	1912, 1913, 1915-1920, 1922-1924
white	1912, 1914-1917
Mammoth—	
American Beauty	1920, 1922, 1923
dark blue	1915-1918
mixed colours	1913-1916, 1920, 1922
scarlet	1919, 1920
shell pink	1919, 1920
white	1915, 1916
Mikado—	
blush	1912
dark violet	1917-1920

Aster—(*Callistephus chinensis*)—*Con.*

rose	1912, 1913, 1916, 1918-1920
white	1912, 1913, 1917-1920
Ostrich plume—	
azure blue	1913, 1914
crimson	1913-1916
dark blue	1915-1917, 1919, 1920
delicate pink	1916
light blue	1914
mauve	1915, 1916
mixed colours	1913-1915, 1920
peach blossom	1913, 1914
rose	1918-1920
rose pink	1915-1917
scarlet	1913, 1914
terra-cotta	1913-1915
white	1913-1917
Ostrich plume, late flowering—	
light blue	1914-1916
mixed colours	1922, 1924
shell pink	1913-1916
white	1913
Perfection—	
blush	1914, 1916-1920
carmine	1919, 1920
crimson	1917-1919
light lavender	1917-1919
pink	1916, 1919, 1920, 1922
purple	1917-1920, 1922
rose	1919
shell pink	1914, 1916, 1917, 1919, 1920, 1923, 1924
white	1914, 1920, 1922, 1923
Queen of the market—	
crimson	1913
flesh	1913
light blue	1913
rose	1913
scarlet	1913
white	1913
Giant ray—	
mixed colours	1914
pink	1915-1918, 1920, 1923
primrose	1914
ruby	1917
white	1913, 1915-1920
Rochester—	
cerise	1922-1924
dark violet	1916, 1918-1920, 1922, 1923
Heart of Rochester	1923, 1924
lavender	1923, 1924
lavender pink	1914-1917
pink	1912, 1915
rose	1919
shell pink	1918-1920, 1922, 1923
white	1916-1920, 1922, 1923
Royal—	
mixed colours	1915
lavender	1918-1920, 1922-1924
lavender pink	1918-1920
purple	1912, 1913, 1916-1923
rose	1917-1920
shell pink	1918-1920
white	1916-1920
Silvery—	
pink	1922-1924
rose	1919, 1922-1924
Single—	
Firefly	1915, 1916, 1920, 1922, 1923

Aster—(*Callistephus chinensis*)—*Con.*

Legion of Honour.. . . .	1922, 1923
Mauve Gem.. . . .	1923
mixed colours.. . . .	1914-1916, 1920
Primrose Queen.. . . .	1923
Southcote Beauty Mauve.. . . .	1922, 1923
Southcote Beauty Mixed.. . . .	1913, 1916
Southcote Beauty pink.. . . .	1923
Venus.. . . .	1922, 1923
Superb bedding—	
blue.. . . .	1923
bright rose.. . . .	1923
delicate rose.. . . .	1923
lilac.. . . .	1923
scarlet.. . . .	1917-1920, 1923
white.. . . .	1923
Truffaut's pæony-flowered, mixed colours.. . . .	1912-1920
Upright—	
amethyst.. . . .	1916-1919
crimson.. . . .	1913-1920
lavender.. . . .	1919, 1920
lavender pink.. . . .	1918, 1920
peach blossom.. . . .	1914-1919
Pink Enchantress.. . . .	1915-1920, 1922-1924
pink.. . . .	1913-1917
purple.. . . .	1914, 1915, 1918, 1919
rose.. . . .	1913-1915, 1918-1920, 1922-1924
white.. . . .	1913-1919
Victoria—	
blue.. . . .	1915
bright rose.. . . .	1913
carmine rose.. . . .	1913
crimson.. . . .	1913, 1916, 1923
dark blue.. . . .	1923
dark blue and white.. . . .	1913, 1916
King of the Belgians.. . . .	1922, 1923
light blue.. . . .	1913, 1916, 1923
light violet.. . . .	1916
light yellow.. . . .	1915
mixed colours.. . . .	1912-1916, 1920
Miss Roosevelt.. . . .	1916
Peach Blossom.. . . .	1913, 1923
Primrose Queen.. . . .	1922
rose.. . . .	1915, 1916
salmon pink.. . . .	1916, 1923
scarlet.. . . .	1915, 1916
violet.. . . .	1913
white.. . . .	1913, 1915, 1916, 1923
Miscellaneous—	
Blue Bird.. . . .	1912, 1916
Canadian Beauty Rose.. . . .	1912
Cardinal.. . . .	1912, 1913, 1916, 1919
Christmas Tree.. . . .	1912
Crimson.. . . .	1916, 1917
Daybreak.. . . .	1912, 1917, 1919, 1920
Eclipse mixed.. . . .	1920
Electric.. . . .	1912
Enchantress.. . . .	1912
Everlasting Light pink.. . . .	1924
Exhibition Wonder.. . . .	1913, 1914
Flower City Shell pink.. . . .	1916
General Jacqueminot.. . . .	1912
Giant The Fairy.. . . .	1917, 1918
Gold Fleece.. . . .	1912
Hercules.. . . .	1920
Improved Giant Purity.. . . .	1916, 1919, 1920, 1923
Improved Giant violet.. . . .	1916

Aster—(*Callistephus chinensis*)—*Con.*

Improved Giant yellow.. . . .	1916
Jewel mixed colours.. . . .	1915
Kate Lock white.. . . .	1912
Lavender pink.. . . .	1916, 1918-1920
Lemon Drop.. . . .	1912
New America double mixed colours.. . . .	1912, 1913
Novelty mixture.. . . .	1916, 1919
Peerless pink.. . . .	1913, 1920
Peerless yellow.. . . .	1922, 1923
Primrose Queen.. . . .	1914-1916, 1919, 1920, 1923
Purple.. . . .	1916
Queen of the Belgians.. . . .	1923
Quilled mixed colours.. . . .	1920
Salmon Pink.. . . .	1916, 1920, 1922, 1923
Scarlet Gem.. . . .	1915, 1916
Snowball.. . . .	1914-1916, 1918, 1919
Atriplex hortensis rubra, Red moun- tain spinach.. . . .	1915, 1923
Balsam, Camellia-flowered—	
double mixed.. . . .	1912, 1913, 1916, 1918
salmon pink.. . . .	1923
scarlet.. . . .	1923
violet spotted.. . . .	1923
white.. . . .	1923
Improved miniature.. . . .	1916, 1921
Improved Rose-flowered—	
lilac.. . . .	1922, 1923
Malmaison.. . . .	1922, 1923
pure white.. . . .	1923
rose.. . . .	1922, 1923
scarlet spotted.. . . .	1922, 1923
violet.. . . .	1922, 1923
white.. . . .	1922
mixed.. . . .	1916, 1918, 1919, 1921
prize double.. . . .	1914-1916
Bartonia aurea.. . . .	1913, 1914, 1915, 1916, 1920-1923
Beet Chilian.. . . .	1915, 1923
Blue Lace Flower (see <i>Didiscus</i>).	
Brachycome iberidifolia, Swan river daisy—	
blue.. . . .	1920, 1922, 1923
mixed.. . . .	1914-1919, 1923
rose.. . . .	1922, 1923
white.. . . .	1923
Browallia elata—	
blue.. . . .	1914, 1918-1923
white.. . . .	1922, 1923
Calandrina grandiflora.. . . .	1913-1916, 1919, 1920, 1923
Calandrina speciosa.. . . .	1913, 1914, 1923
Cacalia coccinea, Tassel flower.	
1913, 1919-1922	
Calendula officinalis, Pot marigold—	
mixed.. . . .	1915, 1918, 1919
Double Lemon.. . . .	1919
Double Orange.. . . .	1919
Lemon Queen.. . . .	1915-1917, 1920-1923
Meteor.. . . .	1914, 1915
Orange King.. . . .	1914, 1923
Sulphur Queen.. . . .	1914, 1915
Calendula pluvialis, Cape marigold.	1915, 1923
Candytuft (<i>See Iberis</i>).	
Cannabis Giant Hemp.. . . .	1916
Cardinal Climber.. . . .	1917

- Cardiospermum lalicacabum*, Balloon vine 1913, 1914, 1916, 1917
- Carnation*—
 American Tree 1914
 Bedding Yellow 1915, 1916
 Double Border mixed 1914
 Early Vienna mixed 1914, 1915
 Grenadin Scarlet 1914, 1915
 Marguerite mixed 1915-1923
 Marguerite Improved white 1916
 Perpetual Early Flowering 1914, 1915, 1919
 Vanguard mixed 1916, 1921
- Celosia childsii*, Chinese wool-flower—
 pink 1922
 yellow 1922
- cristata*, Cockscomb—
 scarlet 1913, 1914
 dwarf crimson 1915, 1919-1921
- plumosa*, large-flowered 1921
 mixed 1915, 1918-1922
 superb mixed 1912, 1913
 Thompson Magnifica feathered 1912
 Thompson Superb bright red 1912
- Centaurea cyanus*, Cornflower, Bachelor's buttons—
 blue 1922
 mixed 1913, 1915-1917, 1921
- Emperor William*—
 blue 1913
 white 1923
- gymnocarpa*, Dusty miller 1914
- imperialis* 1913-1916
- moschata*, Sweet sultan—
 Giant delicate mauve 1923
 " mauve 1915, 1916, 1923
 " mixed 1922
 " splendens 1919-1921
 " white 1923
- Large-flowered
 mixed 1912, 1913, 1916-1920
 rosea 1914-1916
 pure white 1913-1915
 purple 1913-1915
- ragusina* 1914, 1923
- Centranthus macrosiphon*, 1913, 1915, 1916, 1923
- Cheiranthus cheiri*, Wallflower—
 crimson 1915
 Fire King 1913, 1914
 Yellow Phoenix 1917
- linifolius* 1923
- Chrysanthemum*, annual—
 coronarium 1921, 1922
 coronarium Princess Mary 1923
 " single coronet 1923
- dunettii* double, golden 1913, 1922-1924
dunettii double, white 1913-1915, 1924
inodorum plenissimum 1923
inodorum plenissimum, bridal robe 1913, 1914, 1923, 1924
- Star varieties—
 Eastern Star 1916, 1922-1924
 Evening Star 1916, 1924
 Morning Star 1913-1916, 1923, 1924
 Northern Star 1914-1918, 1923, 1924
 Southern Star 1924
- Single Japanese 1912-1916, 1919
- Snowball 1913-1916
- tricolor 1913-1915
- Chrysanthemum*, annual—*Con.*
 double mixed 1924
 large-flowered mixed 1914, 1920
 Sutton's special mixed 1921-1924
- Cineraria maritima* Diamond, 1914, 1915, 1919, 1920, 1923
- Clarkia elegans*—
 brilliant mixture 1915, 1916, 1918-1921
 chamois pink 1915
 double coppery red 1913
 pink 1914
 double delicate pink 1923
 Firefly 1923
 salmon 1923
 Salmon Queen 1912-1915, 1917
 salmon scarlet 1922, 1923
 Scarlet Queen 1915
 white double 1914
 white single 1914
- pulchella*—
 brilliant rose 1923
 white 1923
 marginata double 1914, 1922
 Purple Prince 1919, 1920
- Cleome pungens*, Spider plant—
 giant hybrid 1914-1917, 1922
 giant white 1922
- Clintonia pulchella* 1923
- Cobaea scandens* 1913-1916, 1918
- Collinsia*—
 bicolor 1913, 1922, 1923
 candidissima 1913, 1916, 1923
- Collomia coccinea* 1914, 1922, 1923
- Coreopsis atrosanguinea*, 1913, 1914, 1916, 1917, 1922, 1923
- Beauty 1913-1916, 1921
- bicolor nana, Golden Ray 1913-1915
- cardaminifolia 1913, 1916, 1917, 1922, 1923
- Crimson King 1923
- drummondii 1912-1917, 1922
- grandiflora 1913, 1916, 1922, 1923
- marmorata 1913-1917, 1922, 1923
- radiata Golden Ray 1912, 1913
- stellata Tiger Flower 1912
- tinctoria 1913-1917, 1922, 1923
- Tiger Star 1913-1915
- Cosmidium Orange Crown* 1921
- Cosmos bipinnata* 1914
- crested or anemone-flowered 1921
- Crimson ray 1912, 1913, 1915, 1922
- Early-flowering—
 double mixed 1923
 pink 1915, 1919, 1920, 1922, 1923
 white 1923, 1924
- Early-flowering single crimson, 1915, 1916, 1921-1924
- Crimson King 1924
- mixed 1913-1921
- rose 1915, 1916, 1921, 1922, 1924
- white 1915, 1916, 1921-1924
- Miniature yellow 1919, 1920, 1923
- Mixed 1915-1919
- White Ray 1922
- Cuphea miniata* 1915, 1917, 1923
- Cynoglossum Blue gem* 1923
- Cyclanthera explodens* 1913, 1914
- Dahlia*—
 Cactus mixed 1924
 Collarette mixed 1921

Dahlia—Con.

Coltness hybrids..	1924
Double Mammoth Decorative.. . . .	1924
Double Paeony-flowered.. . . .	1921, 1924
Double Pompon..	1924
Dwarf Harbinger..	1924
“ Single..	1924
Exhibition Prize Single.. . . .	1924
Giant Single..	1924
Peter Pan..	1924
Stella..	1924
<i>Datura arborea</i> —	
chlorantha flore pleno.. . . .	1915, 1916, 1923
cornucopia..	1914, 1923
wrighti meteloides.. . . .	1915–1923
<i>Delphinium Blue Butterfly</i>	1923
<i>Dianthus barbatus</i> (see Sweet William)	
<i>Dianthus chinensis</i> —	
double..	1912–1916, 1919
mixed..	1916, 1923
Queen of Holland..	1912, 1913
diadematus nanus..	1912, 1913
heddewigi,	
Brilliant fringed..	1922
Brilliant Salmon King.. . . .	1923
Crimson Bell..	1912, 1923
delicate rose..	1923, 1924
Eastern Queen..	1923
fringed..	1917, 1918, 1923
Lucifer..	1915, 1923
Mourning Cloak..	1923
pink and carmine..	1914, 1915
Princess..	1923
Scarlet Queen..	1922
Snowball..	1923
Snowdrift..	1923
Striped Beauty..	1923
Violet Queen..	1923
imperialis..	1914–1916
lacinatus flore pleno.. . . .	1912, 1913, 1923
single..	1912, 1923
<i>Diascia barberæ</i>	1914, 1919, 1923, 1924
<i>Didiscus coruleus</i> , Blue lace flower.	
1916, 1921, 1923	
<i>Dimorphotheca aurantiaca</i> , Star of the Veldt—	
hybrids..	1912, 1923, 1924
sinuata..	1913
<i>Dolichos lablab</i> , Japanese bean—	
Darkness..	1913
Daylight..	1913
mixed, Hyacinth bean.. . . .	1914
<i>Dracocephalum moldavicum</i>	1916
<i>Eceremocarpus scaber</i>	1913–1915, 1917
<i>Echium plantagineum</i>	1923
<i>Erysimum linifolium</i>	1923
<i>Erysimum perofskianum</i>	1923
Golden Gem..	1912, 1913, 1923, 1924
Orange Gem..	1923, 1924
<i>Erzegovine stolak</i> , Ornamental tobacco..	1915
<i>Eschscholtzia californica</i> , California poppy..	1912–1914, 1924
Mandarin..	1912–1914, 1923, 1924
Bright claret colour.. . . .	1924
Cherry red..	1923, 1924
Chrome Queen..	1917
compact mixed..	1914, 1916
compact roseus..	1912–1914

Eschscholtzia californica, California

poppy—Con.	
crocea..	1924
crocea alba..	1913, 1914, 1924
crocea double..	1913, 1914, 1922
frilled pink..	1924
Gaiety..	1923
mixed..	1913–1918, 1922
old rose..	1924
Orange King..	1916
Queen of the Buffs..	1923, 1924
Rajah..	1915
Ruby King..	1923, 1924
Sutton's Flame..	1923, 1924
The Geisha..	1922, 1923
Thorburnia..	1913, 1914
<i>Euphorbia heterophylla</i>	1916
marginata, Snow on the Mountain..	1916, 1922
<i>Eutoca viscida</i>	1914, 1921–1923
Everlasting star flower..	1916, 1917
<i>Gaillardia mixed</i>	1913, 1914, 1916
double mixed..	1915, 1920, 1921, 1923
picta Lorenziana..	1912, 1913, 1923
The Bride..	1923
<i>Gazania hybrida</i>	1924
<i>Gerbera jamesonii</i> hybrids.. . . .	1913, 1914
<i>Gilia capitata</i>	1923
<i>Gilia mixed</i>	1914, 1915
<i>Gilia tricolor rosea</i>	1922
<i>Gilia coronopifolia</i>	1913–1915
<i>Godetia</i> —	
Afterglow..	1919, 1920
Apple Blossom..	1914, 1919, 1920, 1923
Bijou White and Rose.. . . .	1913
Bridesmaid..	1915–1920
Crimson King..	1917–1920
double crimson..	1915–1916
large-flowered..	1923
light pink..	1916
rose..	1912–1923
schamini..	1923
Duchess of Albany..	1913–1916, 1923
gloriosa compacta..	1915, 1916
crimson scarlet..	1913–1915
Lady Albermarle..	1913–1915, 1923
Ladybird..	1914, 1923
Lavender Trailing..	1916–1918
mixed..	1915, 1919–1921
Scarlet Queen..	1914, 1919–1923
Sunset..	1913
Golden Feather dwarf compact.. . . .	1922
<i>Gomphrena globosa</i> , Globe amaranth—	
alba..	1912, 1913, 1923
flesh..	1923
mixed..	1913, 1922–1924
purple..	1923
rosea..	1912, 1913, 1923
rubra..	1912, 1913
Variegated..	1912, 1913, 1923
<i>Gomphrena haagiana</i>	1912, 1913
Gourd, mixed..	1914
<i>Gypsophila elegans</i> , Baby's breath.. . .	1923
Large flowered white.. . . .	1923, 1924
crimson..	1923, 1924
delicate pink..	1924
<i>Hawkweed</i> —	
Pink..	1923
Silver..	1923

Hawkweed—*Con.*

White..	1923
Yellow..	1923
<i>Hebenstreitia comosa</i> ..	1913, 1923
<i>Helenium tenuifolium</i> ..	1916
<i>Helianthus, Sunflower—</i>	
Bronze King..	1922-1924
Dazzler..	1921
Double..	1922-1923
Orange..	1924
Primrose..	1922-1924
Dwarf Double..	1922-1924
Dwarf Miniature..	1922, 1923
Earliest of All..	1923, 1924
Giant Yellow..	1922-1924
Helios..	1912, 1913
Langley Gem..	1915, 1916, 1922-1924
Miniature..	1914, 1915, 1921-1923
New Hybrids..	1922, 1924
Orion..	1922-1924
Primrose Perfection..	1922-1924
Stella..	1922-1924
Silver Leaved..	1922
Single Dwarf Primrose..	1922-1924
Single Dwarf Yellow..	1922-1924
Single Yellow..	1924
Stella..	1922-1924
Red Hybrids..	1916, 1922-1924
Sutton New Red..	1914-1917, 1922, 1923
Unique Red..	1915, 1916
<i>Helichrysum bracteatum, Straw</i>	
flower—	
Crimson Globe..	1913
Double Golden Yellow..	1913, 1914
Scarlet..	1913, 1914
White..	1913, 1914
Fireball..	1912-1914
Golden Globe..	1912, 1913
Large Flowered Crimson..	1922-1924
mixed..	1912-1923
purple..	1923, 1924
rose..	1922-1924
Ruby..	1922
salmon..	1923, 1924
sulphur yellow..	1922
yellow..	1922-1924
white..	1922-1924
pink and cream shades..	1912, 1913
Silver Globe..	1912-1916
<i>Helipterum mixed</i> ..	1913
<i>sanfordii</i> ..	1912, 1913
<i>Hibiscus africanus major</i> ..	1914, 1921-1923
Hollyhock double mixed..	1923
Hollyhock everblooming..	1923
<i>Humulus japonicus</i> ..	1913-1915
Variegated..	1913, 1914
<i>lupulus</i> ..	1915
<i>Iberis, Candytuft—</i>	
best crimson..	1913, 1914
carmine improved..	1915, 1916, 1923
dwarf pink..	1924
Giant Hyacinth flowered..	1912-1914, 1923
lilac..	1923
Lilac Queen..	1924
mixed..	1913, 1916, 1919, 1920
rich purple..	1923, 1924
rose cardinal..	1913, 1914
Empress..	1912-1914
Snowflake..	1912-1914

Iberis, Candytuft—Con.

Snow Queen..	1912, 1914
Sweet-scented..	1919-1924
White Rocket..	1913-1919, 1923
White Spiral..	1916, 1917, 1922-1924
<i>Ionopsidium acaule</i> ..	1914, 1923
<i>Ipomoea, Morning glory—</i>	
bona nox, Evening glory..	1916
choice mixed..	1913, 1914, 1918
coccinea, Star Ipomoea..	1915, 1916
Double Snow Fairy..	1914-1916
Fuchsia-flowered..	1914, 1916
grandiflora..	1916
Improved Japanese..	1916
grandiflora rubraeoerulea Heavenly	
Blue..	1912
major mixed, Convolvulus..	1913, 1914
quamoclit, Cypress vine..	1913, 1916
noctiflora, Moon flower..	1913, 1914
New Airy Fairy..	1913, 1914
New Sky Blue..	1913
Noctiphyton, Evening Glory..	1918
purpurea mixed, Morning Glory..	1914
sky-blue..	1914, 1916, 1918
<i>Jacobaea double dwarf mixed</i> ..	1913
double mixed..	1913, 1915, 1916,
	1918, 1920-1922
tall single..	1919, 1922
double white..	1923
single tall Bright Rose..	1923
<i>Kauffussia amelloides—</i>	
blue..	1913, 1914, 1922, 1923
crimson..	1913-1915, 1923
<i>Kochia tricophylla, Summer cypress,</i>	
	1915-1917, 1923
<i>Larkspur (Delphinium ajacis) Dwarf</i>	
rocket—	
carmine pink..	1912, 1913
delicate pink..	1912, 1913
light blue..	1912, 1913, 1920-1921
mauve..	1912, 1913
mixed..	1912, 1913
purple..	1912, 1913
white..	1912, 1913
<i>Emperor—</i>	
azure blue..	1924
brilliant carmine..	1924
mixed..	1912, 1913, 1923
violet..	1924
white..	1924
<i>Stock-flowered—</i>	
blue..	1912-1919, 1921-1924
Exquisite..	1923
mixed..	1913, 1920, 1921
pale mauve..	1912, 1913, 1922-1924
rosy scarlet..	1912-1919, 1921-1924
shell pink..	1924
white..	1912, 1913, 1915, 1916, 1923, 1924
<i>Tall-branching single—</i>	
blue..	1924
mauve..	1924
mixed..	1923, 1924
Pink Pearl..	1924
<i>Lathyrus odoratus (Sweet peas)—</i>	
NOTE (g)—grandiflora type	
Admiral Jellicoe..	1915
Advance..	1923, 1924
Afterglow..	1913
Agnes Eckford..	1917
Agricola..	1914-1921

Lathyrus odoratus (Sweet peas)—*Con.*

Alexander Malcolm..	1919
Alfred Watkins..	1915, 1921, 1922
American Spencer..	1912-1915
Annie Bownass..	1921, 1922
Annie Ireland..	1923, 1924
Apple Blossom..	1912-1914, 1916
Apricot..	1916, 1917
Arthur Green..	1912, 1913
Artistry..	1924
Asta Ohn..	1912-1920
Aurora..	1914
Austin Frederick Improved..	1923, 1924
Bacchus..	1922
Barbara..	1912-1915, 1919-1924
Baroness de Tryll..	1915
Beatrice..	1913, 1914
Bertrand Deal..	1912, 1913
Bertha Massey..	1912
Beryl..	1921-1924
Betty Cantley..	1915
Bird of Paradise..	1914
Black Knight (g)..	1912-1920
Blue Bell..	1912
Blue Gem..	1918
Blue Jacket..	1915
Blue Monarch..	1920-1922
Blue Picotee..	1914, 1923, 1924
Bolton Pink (g)..	1916-1922
Boquet..	1912
Bonfire..	1924
Bridesmaid..	1921, 1923, 1924
Brilliant..	1921, 1922
Brocade..	1920-1923
Bunty..	1922-1924
Burpee Blend..	1913-1918
Burpee Early Daintiness..	1921
Burpee Flamingo..	1921
Burpee Lemon Beauty..	1921
Burpee Peach Blossom..	1921
Capt. Charles Burgess..	1922
Captain of the Blues..	1915, 1917
Captivation..	1912, 1913, 1915
Carene..	1915, 1916
Caress..	1921, 1923, 1924
Cecily..	1923, 1924
Celeste..	1924
Cerise Spencer..	1914, 1915, 1917
Champagne..	1924
Charity..	1922-1924
Charm..	1913-1915
Charming..	1924
Chas. Foster..	1912-1920
Chelsea..	1922-1924
Cherub..	1917-1922
Chevalier..	1924
Clara Curtis..	1912-1920
Coccinea Improved..	1913, 1914
Colleen..	1912, 1915
Colne Valley..	1923, 1924
Commander Godsall..	1922-1924
Comrade..	1924
Conquest..	1922-1924
Constance Acomb..	1917-1921
Constance Hinton..	1916-1924
Constance Oliver..	1912-1914, 1916
Constance Zarina..	1912
Countess Spencer..	1912-1921
Covent Garden Pink..	1922

Lathyrus odoratus (Sweet peas)—*Con.*

Crimson Glow..	1922
Crimson King..	1924
Crimson Paradise..	1914
Cynthia..	1915, 1916, 1923, 1924
Daffodil..	1924
Dainty..	1912-1921
Daisybud..	1920-1924
Daybreak..	1913
Decorator..	1913, 1915, 1916, 1918-1921
Diana..	1923, 1924
Dignity..	1922-1924
Dobbie Cream..	1912-1917, 1919, 1922-1924
Dobbie Frilled Pink..	1915
Dobbie Maroon..	1921, 1923, 1924
Dobbie New Marquis..	1914, 1916
Dobbie Orange..	1915
Dobbie Scarlet..	1913
Dobbie Sunproof Crimson..	1913-1915
Dora..	1917
Doris..	1922-1924
Doris Burt..	1915, 1916
Doris Usher..	1914, 1921, 1922
Dorothy..	1913
Dorothy Eckford (g)..	1912-1924
Dorothy Tennant..	1916
Dream..	1917
Duchess of Portland..	1915-1917, 1919
Duke of Westminster..	1912, 1917
Duplex..	1912-1914, 1919
Duplex Crimson King..	1913
Duplex Mary Garden..	1913
Earl..	1912, 1913
Early King..	1919
Early Mauve Beauty..	1919, 1921
Early Pink Beauty..	1921
Edith..	1922
Edith Taylor..	1912-1921
Edna Harland..	1912
Edna May..	1916
Edron Beauty..	1914-1917, 1919, 1924
Elegance..	1921-1924
Elfrida Pearson..	1912-1922, 1924
Elsie Dean..	1924
Elsie Herbert..	1912-1922
Empress..	1912
Empress Eugene..	1914, 1915, 1920
Ethel Roosevelt..	1912-1914
Etta Dyke..	1912-1919
Evelyn Hemus..	1912-1914, 1916
Faerie Queen..	1923, 1924
Fair Lady..	1921, 1922
Field Marshal..	1922-1924
Fiery Cross..	1916-1920, 1923, 1924
Flora Norton..	1913-1916
Floradale Fairy..	1922
Floradale Purple..	1922-1924
Florence Norton..	1913-1917
Florence Nightingale..	1912-1922, 1924
Florrie..	1914
Fordhook Pink and White..	1919
Fordhook Orange..	1924
Frank Dolby..	1912, 1913, 1917
Frances Deal..	1912
Frilled Beauty..	1922
George Herbert..	1913-1916, 1918-1920, 1922
George Shawyer..	1922-1924
Giant Attraction..	1921
Giant Cream..	1912

Lathyrus odoratus (Sweet peas)—*Con.*

Giant White..	1922, 1923
Gladys..	1921-1924
Gladys Burt..	1912, 1913
Gladys French..	1912
Gladys Unwin..	1912
Glitters..	1921
Gloriosa..	1923, 1924
Glory..	1923, 1924
Grandeur..	1924
Gustave Hamel..	1915
Harmony..	1915
Hawlmarm Cerise..	1922-1924
Hawlmarm Lavender..	1921-1924
Hawlmarm Maroon..	1921
Hawlmarm Pink..	1920-1924
Hawlmarm Salmon..	1922
Heather Bell..	1917
Hebe..	1923, 1924
Helen Chetwynd Stapylton..	1914-1921
Helen Grosvenor..	1912-1916
Helen Lewis..	1912, 1922
Helen Pierce (g)..	1912-1922, 1924
Henry Eckford..	1917
Hercules..	1913-1922
Hester..	1912
Holdfast Picotee..	1912, 1913
Honour Bright..	1924
Hope..	1921, 1923
Illuminator..	1914-1916, 1918-1920
Improved Dudley Lees..	1912
Improved Margaret Atlee..	1921, 1923, 1924
Improved Winifred Deal..	1912
Irish Belle..	1912-1915, 1919-1922
Isabel Malcolm..	1913, 1920, 1921
Ivanhoe..	1913
Ivorine..	1919
Jack Cornwell..	1922-1924
Jack Tar..	1918
Janet Scott..	1912-1914, 1917
Jean Ireland..	1917-1924
Jeannie Gordon (g)..	1912-1920
Jessie Cuthbertson..	1912, 1915
John Ingman..	1912-1917, 1921, 1922, 1924
Juliet..	1912
King Edward..	1912-1917, 1920, 1922
King Mauve..	1924
King Manoel..	1915-1922
King Tut..	1924
King White..	1914, 1924
Kitty Curtis..	1924
Kitty Eckford..	1915
Lady Evelyn Eyre..	1912-1920
Lady Grisel Hamilton (g)..	1912-1922, 1924
Lady Knox..	1912, 1913
Lavender Belle..	1921
Lavender George Herbert..	1913, 1916
Le Mahdi..	1921, 1922
Lilac Pink..	1924
Lilian..	1913-1922
Linda Hemus..	1913
Lord Fisher..	1917-1920
Lord Lascelles..	1924
Lord Nelson..	1912-1914, 1917
Lovely Waved..	1915
Loyalty..	1913, 1919, 1921
Lucifer..	1924
Lucy Hemus..	1912, 1914
Luminosa..	1917

Lathyrus odoratus (Sweet peas)—*Con.*

Magic..	1922
Majestic Cream..	1921, 1922
Marchioness of Tweedale..	1913
Martha Washington..	1913, 1914
Margaret Atlee..	1914, 1916-1922
Margaret Madison..	1912, 1913
Marie Corelli..	1912, 1913
Marion..	1913
Marjory Hemus..	1912-1914
Marks Tey..	1916, 1917, 1919
Mary Rose..	1924
Mascot Helio..	1921
Mascot Purple..	1924
Mascot Scarlet..	1921, 1923, 1924
Mascot White..	1922
Masterpiece..	1913
Matchless..	1922, 1924
Mauve Queen..	1912, 1913
Maud Holmes..	1912-1922, 1924
Mavis..	1923, 1924
Mavourneen..	1915
May Campbell..	1912, 1913
May Cowdy..	1923, 1924
May Farquhar..	1915
Melba..	1912, 1913, 1917
Melody..	1917
Menie Christie..	1913
Mid Blue..	1912, 1913
Mignonne..	1923
Millie Mashn..	1912, 1913
Miss Burnie..	1917-1919
Miss Spokane..	1924
Miss Willmott (g)..	1912-1922, 1924
Moonstone..	1913, 1914, 1916-1920
Morning Star..	1917
Mrs. A. G. Gentle..	1916-1922
Mrs. A. Ireland..	1912-1916
Mrs. Arnold Hitchcock..	1919, 1922-1924
Mrs. Bierberstedt..	1912
Mrs. Collier (g)..	1912-1922, 1924
Mrs. C. P. Tomlin..	1922
Mrs. Cuthbertson..	1912-1921
Mrs. C. W. Breadmore..	1912-1917
Mrs. Ch. W. J. Unwin..	1924
Mrs. George Charles..	1913, 1915
Mrs. G. W. Bishop..	1920-1924
Mrs. H. Richards..	1923, 1924
Mrs. Harriette Hemus..	1912, 1914
Mrs. Hardcastle Sykes..	1912-1914
Mrs. Herbert Hemus..	1913, 1914
Mrs. Heslington..	1912, 1913
Mrs. House..	1915, 1916
Mrs. Hugh Dickson..	1913-1916, 1919
Mrs. J. Balmer..	1918-1920, 1922
Mrs. Joseph Chamberlain..	1912
Mrs. Kerr..	1922
Mrs. Melwick..	1914
Mrs. R. P. Ward..	1915
Mrs. R. Massey..	1912
Mrs. R. Hallam..	1913-1916, 1918-1920
Mrs. Routzahn..	1912-1921
Mrs. Stewart Champion..	1912
Mrs. Tom Jones..	1919, 1921-1924
Mrs. T. W. Warren..	1913
Mrs. Townsend..	1912, 1915-1917, 1919-1922
Mrs. Walter Wright (g)..	1912-1922, 1924
Mrs. Warren Harding..	1922

Lathyrus odoratus (Sweet peas)—*Con.*

Mrs. W. J. Unwin..	1913, 1915, 1916, 1920
Mrs. Warren..	1912
Myrtle..	1921, 1922
Nettie Jenkins..	1913
New Buttercup..	1923
New Duplex..	1912
New Marquis..	1919
Norma..	1915
Nora Unwin..	1912-1915, 1921
Norvic..	1916
Nubian..	1912-1917
Orange King..	1912
Orange Paradise..	1912, 1913
Orange Perfection..	1915, 1916
Orange Prince..	1923, 1924
Orchid..	1912-1914, 1916-1922
Orion..	1912, 1913
Othello..	1913-1915
Papillo..	1915
Paradise Apple Blossom..	1914
Paradise Cardinalis..	1914
Paradise Celestial..	1912-1914
Paradise Cherry Ripe..	1914
Paradise Colossus..	1913, 1914
Paradise Comet..	1912-1914
Paradise Constance Oliver..	1912-1914
Paradise Dawn..	1912
Paradise Daybreak..	1912
Paradise Dewdrops..	1912
Paradise Dorothy Eckford..	1912
Paradise Ebony..	1914
Paradise Grey Flake..	1913, 1914
Paradise Ivory..	1912-1914
Paradise Moonstone..	1912
Paradise Opal Pierce..	1924
Paradise Peacock..	1914
Paradise Peach Blossom..	1914
Paradise Red Coral..	1913
Paradise Regained..	1912-1914
Paradise Sapphire..	1914
Paradise Solferino..	1914
Paradise White Pearl..	1912-1914
Peace..	1918
Pearl Gray..	1912
Phantom Blue..	1918, 1920, 1921
Phenomenal..	1912, 1917
Phœbus..	1912
Picture..	1921-1924
Pink Pearl..	1921
Powerscourt..	1923, 1924
President Harding..	1924
Prima Donna (g)..	1912-1922, 1924
Primrose Paradise..	1913-1914
Prince George..	1913, 1919, 1924
Princess Mary..	1913-1922, 1924
Princess Victoria..	1914
Prince of Orange..	1914
Prince of Wales (g)..	1912-1914, 1918-1922
Prince Olaf..	1912
Purple Perfection..	1924
Quaker Lady..	1924
Quaker Maids..	1914
Queenie..	1912
Queen Alexandra (g)..	1912-1922, 1924
Queen of Belgians..	1915
Queen of Norway..	1913-1915, 1917-1920
Queen of Spain..	1912, 1913
Queen Victoria..	1913-1917, 1919-1921

Lathyrus odoratus (Sweet peas)—*Con.*

Queen Wilhelmina..	1915
Radiance..	1924
Rainbow..	1912
Ravenswing..	1922-1924
Red Chief..	1913
Red Star..	1912
Renown..	1922-1924
R. F. Felton..	1915, 1917-1920
Robert Sydenham..	1915-1918, 1922-1924
Romolo Piazzani..	1912
Rose du Barri (g)..	1912, 1914, 1915
Rosabelle..	1913-1924
Rosina..	1916, 1918, 1920-1922
Rosalind..	1923, 1924
Rosemary..	1923, 1924
Rosy Morn..	1924
Royal Cherry..	1923, 1924
Royal Purple..	1915-1924
Royal Flame..	1924
Royal Salute..	1922
Royal Scot..	1921-1924
Ruby Palmer..	1914
Saint George..	1912-1916
Sapphire..	1924
Scarlet Duplex..	1922-1924
Scarlet Emperor..	1912-1917
Scarlet Empress..	1912, 1913
Scarlet Glow..	1921, 1922
Scarlet Monarch..	1912, 1913
Scarlet Paradise..	1913
Senator Waved..	1913-1917
Sensation..	1921-1924
Shamrock..	1923, 1924
Sincerity..	1922
Skylight..	1924
Snowflake..	1917
Song Bird..	1917
Sparkler..	1921, 1922
Splendour..	1922
Spring Maid..	1917
Stirling Stent..	1912, 1915, 1917, 1921
Sunproof Crimson..	1916, 1917, 1919
Sunset..	1922-1924
Sutton Pageant..	1921
Sybil Eckford..	1917
Syeira Lee..	1913
Tangerine..	1921-1924
Tea Rose..	1917
Tennant..	1912-1915
The Fairy..	1924
The Marquis..	1913, 1917
The President..	1917-1924
Thos. Stevenson..	1912-1922
Triumph..	1912
Twilight..	1923
Unique..	1912
Valentine..	1921, 1924
Verdun..	1917
Vermilion Brilliant..	1912-1917, 1921
Victory..	1917
Warrior..	1919, 1922, 1924
Wedgwood..	1914-1917, 1919-1921
W. T. Hutchins..	1912, 1914
White Queen..	1915
White..	1913, 1914, 1922, 1924
White Star..	1922
White Wing..	1913
W. P. Wright..	1913, 1916

Lathyrus odoratus (Sweet peas)—*Con.*

Wild Rose..	1923, 1924
Winsome..	1912
Winifred Deal..	1912
Wizard..	1924
Wonderful..	1923, 1924
W. J. Unwin..	1924
Yarrowa..	1915, 1916
Youth..	1924
Zarina (g)..	1912-1917
Zenophon..	1912
Zephir..	1914
Zero..	1912

Lavatera—

alba splendens..	1913
arborea variegata..	1919
Loveliness..	1916, 1922-1924
mixed..	1916
rosea splendens..	1913-1919
splendens Sunset..	1915
trimestris mixed..	1913, 1915, 1920, 1921
trimestris rosea..	1916
Layia elegans..	1914, 1915, 1921-1923
alba..	1921-1923
Leptosiphon androsaceus, 1914, 1915, 1921, 1923	
aureus..	1914
hybrids..	1913-1923
roseus..	1914, 1915
snow-white..	1914, 1915
Leptosyne maritima..	1913, 1922, 1923
stillmani..	1913, 1919, 1922, 1923
Limnantes douglasi ..	1913-1916, 1921, 1923

Linaria, Toadflax—

Crimson and Gold..	1920-1923
maroccana Excelsior ..	1912, 1913, 1923
hybrids..	1913
reticulata aurea..	1913
special mixture..	1913-1922, 1924

Linum grandiflorum rubrum, Scarlet

flax..	1913-1922
Loasa aurantiaca..	1914

Lobelia erinus, Edging lobelia—

compacta azure blue..	1912
blue..	1912, 1915, 1917, 1918
bright blue..	1922
Cambridge blue..	1922, 1924
Cobalt blue..	1912
crimson white eye..	1912, 1919-1921
Crystal Palace..	1913, 1914
dark blue..	1912, 1914, 1922
dwarf Royal purple..	1912, 1916, 1923
Lustrous..	1913-1918
Mauve..	1912, 1923
pearl..	1912
pure white..	1912
white..	1912, 1923

large-flowered—

blue, white eye..	1912, 1916, 1924
dark blue..	1923
white..	1912
Emperor William..	1913
grandiflora superba..	1912, 1913
Sutton Basket..	1915, 1920-1923

spreading—

blue..	1912
cobalt blue..	1912, 1915
crimson, white eye..	1912
dark blue..	1912
light blue and white..	1912

Lobelia erinus, Edging lobelia—*Con.*

Sapphire..	1914, 1923
white..	1912
tenuior (ramosa) Australian Lobelia—	
blue..	1912-1919, 1921-1924
mixed..	1923
pale blue ..	1912, 1915-1918, 1920, 1921, 1924
rose..	1912, 1918, 1920-1924
white..	1912, 1920-1924
tupa..	1921

Lupinus—

albus coccineus..	1913, 1914
dwarf blue..	1924
blue and white..	1924
carmine and white..	1924
delicate pink..	1924
yellow..	1921, 1924
hartwegi azure blue..	1923, 1924
hartwegi blue and white..	1923, 1924
hartwegi white..	1923, 1924
hybridus atrococcineus..	1921, 1923, 1924
menziesi yellow..	1921, 1922, 1924
mixed..	1913, 1915, 1919-1921
mutabilis blue and white..	1924
mutabilis cream and pink..	1923, 1924
mutabilis cream and white..	1921, 1922

Malcomia maritima (see Virginian Stock)*Malope grandiflorum*—

album..	1913-1915
crimson..	1912-1914
mixed..	1915-1922
rose..	1919-1923

Martynia fragrans.. 1913, 1920-1922*Matthiola incana* (see Stocks).*Matthiola bicornis*, Night-scented

stock..	1912, 1919, 1920, 1922
---------	------------------------

Matricaria eximia, Golden ball.. 1922*Maurandya mixed*.. 1913-1916*purpurea grandiflora*.. 1915*Mesembryanthemum*

tricolor..	1914, 1915, 1923
crystallinum..	1914, 1923

Mignonette—

ameliorata aurea..	1913, 1914
Bismarck..	1913
Buff..	1913, 1917
Cloth of Gold..	1924
Crimson Queen..	1913, 1914
Defiance..	1913, 1914
Gabrielle..	1913, 1914
Giant..	1921, 1924
Giant red..	1913, 1916, 1922, 1924
Giant selected Machel..	1924
Giant white..	1924
Giant yellow..	1922, 1924
gigantea pyramidalis..	1913
Goliath..	1924
Improved red..	1924
Miles spiral..	1924
multiflora compacta..	1913, 1914
pumila erecta..	1913, 1914
Rubin..	1913
Sutton pearl..	1924
pot..	1924
Sweet scented..	1912, 1913, 1915-1923
“ “ Buff..	1924
Tom Thumb..	1924
Victoria..	1913

Mimulus—
 mixed.. . . . 1914-1916
 selected.. . . . 1914, 1923
Mina lobata.. . . . 1914-1917, 1922
Mirabilis, Marvel of Peru, Four o'clocks—
 mixed.. . . . 1913, 1916, 1922
 quadricolor.. . . . 1922
 red.. . . . 1922
 yellow.. . . . 1922
 white.. . . . 1922
Momordica balsamina, Balsam apple. 1913-1916
Momordica charantia, Balsam pear, 1913-1916
Momordica mixed.. . . . 1914
Nasturtium, dwarf—
 Beauty of Malvern.. . . . 1912, 1913
 Black Prince.. . . . 1912, 1913
 Brilliant.. . . . 1912, 1913
 Brilliant Colours.. . . . 1915-1918
 Cherry Red.. . . . 1922, 1924
 Cloth of Gold.. . . . 1922, 1923
 Crimson.. . . . 1923
 Crimson and Gold.. . . . 1912
 Dark Crimson.. . . . 1912, 1913, 1922
 Empress of India.. . . . 1913
 Golden King.. . . . 1913
 Improved Lucifer.. . . . 1912, 1913
 Flamingo Ivy-leaved.. . . . 1913
 Golden Gem Ivy-leaved.. . . . 1912, 1913
 Primrose crimson-spotted, 1912, 1915, 1916, 1924
 Queen Alexandra variegated-leaved.. . . . 1915
 Queen Emma, variegated-leaved.. . . . 1915
 Queen of Fordhook, variegated-leaved.. . . . 1915
 Queen of the North, variegated-leaved.. . . . 1915, 1916
 Queen of Spain, variegated-leaved.. . . . 1915
 Queen of Tom Thumb.. . . . 1913
 Queen Wilhelmina, variegated-leaved.. . . . 1915
 Rosy Queen.. . . . 1912, 1913
 Ruby King.. . . . 1912, 1913
 Salmon Pink.. . . . 1922, 1923
 spotted.. . . . 1922, 1923
 Sunset.. . . . 1922
 terra cotta.. . . . 1913
 King of Tom Thumb.. . . . 1922, 1923
 The Moor.. . . . 1922
 Vesuvius.. . . . 1913
 yellow.. . . . 1912, 1913, 1922
Nasturtium, tall—
 brilliant colours.. . . . 1917
 crimson spotted.. . . . 1922
 Fairy Queen.. . . . 1912, 1915, 1916, 1922-1924
 Pearl.. . . . 1912, 1913, 1915, 1922-1924
 rich yellow crimson spotted, 1912, 1915, 1916, 1922
 Ruby King.. . . . 1922, 1924
 Salmon Queen.. . . . 1912-1916, 1922-1924
 scarlet.. . . . 1912, 1915, 1916, 1922-1924
Nierembergia frutescens.. . . . 1916
Nemesia Suttons hybrids—
 Aurora.. . . . 1920, 1922, 1923
 Blue Gem.. . . . 1912-1921, 1924
 Twilight.. . . . 1923
 White Gem.. . . . 1912, 1913, 1916
 Large-flowered—
 crimson.. . . . 1912, 1913, 1917-1919

Nemesia Suttons hybrids—*Con.*
 Fire King.. . . . 1913, 1914, 1916, 1919
 mixed.. . . . 1913-1923
 Orange Prince.. . . . 1914, 1916
 pale yellow.. . . . 1912, 1913
 rich orange.. . . . 1912, 1913, 1915-1918, 1922-1924
 rose pink.. . . . 1912, 1913, 1915, 1922-1924
 scarlet.. . . . 1912, 1913, 1915, 1922-1924
 Triumph.. . . . 1912, 1918
 white.. . . . 1912, 1913, 1915, 1922-1924
Nemophila mixed.. . . . 1914, 1916, 1922, 1923
Nicotiana affinis hybrids.. . . . 1912-1916, 1920, 1922-1924
 sanderae.. . . . 1918-1920
 hybrids.. . . . 1916, 1917, 1919-1922
 sylvestris.. . . . 1914, 1915, 1923
 affinis "Suttons Scarlet".. . . . 1923, 1924
Nigella hispanica atropurpurea,
 Love in a Mist.. . . . 1914, 1915, 1920-1923
 Miss Jekyll.. . . . 1913, 1916, 1917, 1919, 1923
 hispanica alba.. . . . 1923
Nycterinia selaginoides.. . . . 1915
Oenothera drummondii nana.. . . . 1923
 rosea.. . . . 1923
Omphalodes linifolia, Venus' navel-wort.. . . . 1923, 1924
 Oxalis Cloth of Gold.. . . . 1913
Palafoxia hookeriana.. . . . 1912, 1913
 Pansy—
 Bedding—
 blue.. . . . 1914-1917, 1919
 gold-margined.. . . . 1914-1917, 1919
 light blue.. . . . 1914-1917, 1919
 Lord Beaconsfield.. . . . 1914-1917, 1919
 white.. . . . 1914-1917, 1919
 yellow.. . . . 1914-1917, 1919
 Sutton's Brilliant Mixture.. . . . 1915, 1916, 1920-1922
 Delicate Shades.. . . . 1922, 1923
 Excelsior.. . . . 1913, 1914, 1921
 Extra Choice English.. . . . 1915, 1916
 Extra Choice mixed.. . . . 1913
 Suttons Frilled.. . . . 1917, 1918, 1921-1923
 Giant Bronze.. . . . 1922, 1923
 Defiance.. . . . 1912
 Fancy.. . . . 1914
 Hercules.. . . . 1912
 Masterpiece.. . . . 1912, 1913, 1921
 mixed.. . . . 1912, 1914, 1915
 pale blue.. . . . 1922, 1923
 purple.. . . . 1922, 1923
 white.. . . . 1922, 1923
 yellow.. . . . 1922, 1923
 Large-flowered—
 ivory white.. . . . 1913
 very fine mixed.. . . . 1912, 1913
 white.. . . . 1914
 New Orchid-flowered.. . . . 1914, 1915
 Peacock.. . . . 1923
 Sutton Perfection Mixed.. . . . 1917-1923
 Rainbow collection.. . . . 1914
 Dickson Superb Prize.. . . . 1916
 Selected Violas.. . . . 1913
 Wibolt's Danish Exhibition.. . . . 1914
Pentstemon, Fairy Queen.. . . . 1915
 Giant-flowered mixed.. . . . 1915, 1916

Pentstemon, Fairy Queen—Con.

gloxinioides..	1914
large-flowered hybrids..	1914
mixed..	1915-1917, 1920
superb mixed..	1915, 1918

Petilla—

atropurpurea laciniata..	1923
dwarf curled..	1923
nankinensis..	1914-1917, 1922, 1924
ocymoides..	1924

Petunia—

Double pink fringed..	1922
superb mixed..	1913, 1914, 1917-1923

Single—

Dawn..	1916
Delicate shades..	1914-1921
Giants of California..	1920, 1921
Howard's New Star..	1912
Leviathan mixed..	1921, 1923
Lord Courtenay..	1912
Norma..	1912
ruffled mixed..	1916

Compact or bedding—

brilliant rose..	1923
mixed..	1913, 1914, 1919
Rosy Morn..	1912-1916, 1920, 1921
striped..	1914, 1915
White Pearl..	1913, 1914

Large-flowered Superb—

brilliant rose..	1922
crimson..	1922
fringed..	1913-1917, 1919-1921
mixed..	1912, 1916, 1918, 1919, 1922
plain-edged..	1913, 1915, 1920, 1921
scarlet-fringed..	1913
scarlet and white fringed..	1913
striped and blotched..	1922
striped..	1913-1915, 1919-1921
violet..	1922, 1923
white plain edged..	1913, 1923
white fringed..	1912, 1914

Phacelia—

campanularia..	1912-1917, 1923
congesta..	1922
tanacetifolia..	1921, 1922

Phlox drummondii—**Dwarf compact—**

apricot..	1912
chameleon..	1912
dazzling scarlet..	1912
delicate pink..	1912
Fire-Ball..	1912-1915, 1923
mauve white eye..	1912, 1920
Meteor..	1912
mixed..	1915, 1916, 1918, 1919, 1923
Pink Beauty..	1923
salmon rose..	1912, 1921
Snowball..	1912
white violet eye..	1912
dwarf white..	1912, 1913
carmine..	1918
deep coloured purple..	1913, 1914
Gem..	1912-1914

grandiflora—

alba..	1913, 1914, 1919, 1922, 1924
salmon rose..	1922, 1924

Intermediate—

bright crimson..	1912-1914, 1919
delicate pink..	1912, 1913

Phlox drummondii—Con.

fiery scarlet..	1912
mixed..	1914, 1916, 1919, 1920
salmon rose..	1912, 1913, 1918
white..	1912-1914, 1918, 1919

Large-flowered—

blue white eye..	1912-1924
brilliant rose..	1912, 1913, 1919, 1920, 1924
bright crimson..	1912, 1913, 1916
carmine white eye..	1912-1924
crimson..	1912-1914, 1918-1920
crimson white eye..	1913-1915, 1921, 1924
deep crimson..	1914-1924
deep violet..	1912, 1913,

1919-1921, 1924

delicate pink..	1912, 1919-1921
Fireball..	1922, 1924
light mauve..	1921
maroon..	1912, 1913
pink..	1921
pink white eye..	1912, 1919-1921, 1924
pure white..	1912-1923
purple and white..	1914, 1915
rose..	1913-1915
salmon rose..	1912-1923
scarlet crimson..	1915
Snowball..	1923
violet white eye..	1913
vivid scarlet..	1912, 1915-1924
white..	1914, 1915, 1917, 1921
White Star..	1912
white violet eye..	1912, 1913, 1924
yellow..	1912, 1914, 1919-1921, 1924
Sutton Purity..	1923

Platystemon—

californicus..	1915-1917, 1923
----------------	-----------------

Polygonum, Ruby Gem..

1923

Poppy—

Burbank's New Shirley Peleste..	1912
Carnation-flowered mixed..	1913, 1914, 1916
Danebrog..	1912, 1913
Double Carnation..	1915, 1917, 1918, 1923
Double Japanese Pompon..	1912, 1913
Double Queen..	1922, 1923
Double Shirley..	1913
Fireball..	1918
Fordhook Hybrid..	1923

French Ranunculus dark red,

white edges..	1923
mixed..	1922
red..	1923
rose..	1923
scarlet..	1923
scarlet and white..	1923
white..	1923

Giant double..

1922, 1923

Giant New Tulip..

1912

New Double Queen..

1917

Sutton Select Shirley..

1914-1918, 1922, 1923

Sutton Double Shirley..

1923

Shirley mixed..

1912-1916

Picotee..

1923

Slate Blue..

1923

Tulip Poppy..

1915, 1923

Virginia..

1914

Portulaca—**Single..**

1913-1915, 1918, 1923, 1924

Large-flowered double..

1912-1915, 1922, 1923

New Giant flowered..

1912

- Pueraria*, Kudzu Vine... 1915, 1916
Rhodanthe atrosanguinea... 1923, 1924
 crimson... 1916, 1924
 double rose... 1921-1924
 maculata alba... 1913-1915, 1923, 1924
 maculata mixed... 1912, 1913, 1923
 maculata pink... 1913, 1914
 manglesi flore, pleno pink... 1913, 1914
 manglesi rose... 1913, 1923, 1924
 Single... 1920-1922
 White... 1923, 1924
Ricinus, Castor-oil plant—
 communis major... 1914-1916, 1918, 1921
 zanzibarensis... 1916
Rudbeckia—
 bicolor superba... 1921
 Fireball... 1914
 Golden Sunset... 1913-1923
Salpiglossis—
 blue... 1921
 crimson gold veined... 1912
 dark scarlet... 1921
 dwarf mixed... 1912, 1913, 1916
 scarlet... 1912, 1913, 1920
 grandiflora—
 crimson... 1914, 1915
 golden yellow... 1913-1915, 1920
 lemon... 1914, 1915
 lilac and gold... 1913
 orange and yellow... 1915
 purple... 1913, 1914, 1920
 purple and yellow... 1915
 reddish brown... 1913-1916
 rose, gold veined... 1913, 1919-1921
 rosy chamois... 1915, 1916
 scarlet gold... 1914, 1915, 1919
 violet... 1915, 1916
 yellow and white... 1915, 1916
 Large-flowered—
 blue and gold... 1912-1914, 1919, 1920
 creamy white... 1919-1924
 crimson and gold... 1913, 1914, 1922, 1924
 finest mixed... 1912-1921
 golden yellow... 1912-1914, 1919, 1921-1923
 magenta, yellow throat... 1916
 purple... 1922
 purple and gold... 1912, 1913, 1919, 1921
 rose gold veined... 1922-1924
 velvety red... 1916
 violet... 1922-1924
 yellow... 1924
 variabilis mixed... 1912-1914
Salvia argentea... 1912
 Bluebeard... 1912-1916, 1923, 1924
 coccinea... 1912
 farinacea... 1912
 patens... 1912
 Early Dwarf... 1915
 Pale mauve... 1912, 1913
 Pink Gem... 1923, 1924
 splendens America... 1923
 bicolor... 1914
 Bonfire... 1916
 dark blood red... 1916
 Fireball... 1912-1924
 Globe of Fire... 1916
 Pride of Zurich... 1923
 Scarlet Queen... 1912-1923
 Triumph... 1912, 1916
Sanvitalia procumbens... 1915, 1916, 1923
Saponaria calabrica... 1921, 1923
 Scarlet Queen... 1919-1921, 1923
 vaccaria... 1917, 1923
Scabiosa atropurpurea, Pincushion-plant—
 Azure Fairy... 1923
 black purple... 1913, 1914
 fiery red... 1914, 1915
 flesh colour... 1913, 1914
 lilac... 1913, 1914
 mixed... 1912-1914
 pink... 1914, 1915
 purple and white... 1914, 1915
 red and white... 1914, 1915
 rose... 1913, 1914
 white... 1913-1915
 dwarf double mixed... 1912, 1913
 Large-flowered—
 black purple... 1923, 1924
 cherry red... 1922-1924
 dark purple and white... 1922
 flesh... 1922-1924
 lilac... 1922, 1924
 mauve... 1923, 1924
 mixed colours... 1915-1920
 pink... 1923, 1924
 rose... 1922, 1924
 Tall double-flowered—
 black purple... 1923, 1924
 cherry red... 1923, 1924
 crimson and white... 1923, 1924
 lilac... 1923, 1924
 yellow... 1923, 1924
 white... 1923, 1924
Schizanthus, Dr. Badgers' hybrids... 1923
 Giant Hybrids... 1922
 grandiflora maximus... 1914
 Hawthorn Hybrids... 1916
 Large-flowered Hybrids... 1921, 1923
 roseus compactus... 1921
 Veitch's grandiflora hybrids... 1915-1920
 White and Pink shades... 1915, 1916
 wisetonensis—
 mixed... 1912-1915, 1919, 1920, 1923
 Pink Pearl... 1921
 Snowflake... 1921
 Selected... 1915, 1917
 retusus—
 mixed... 1923
 crimson and gold... 1923
Schizopetalon—
 walkerii... 1913
Sedum coeruleum... 1914-1916, 1919-1921, 1923
Shortea californica... 1923
Silene—
 armeria rose... 1923
 bonetti... 1923
 double dwarf, delicate pink... 1923
 double salmon pink... 1923
 dwarf white... 1923
 pendula compacta... 1913
 pseudo-atocion... 1923
Specularia speculum, Venus' looking-glass—
 purple... 1914, 1923
 white... 1914, 1923
Sphenogyne speciosa... 1913

Statice—

annual mixed..	1913-1915
sinuata hybrida..	1923
“ mauve..	1915, 1922-1924
“ rose..	1922-1924
“ royal blue..	1924
“ true blue..	1923
“ white..	1923
“ yellow..	1922-1924
spicata..	1923, 1924
suworowi..	1921-1924

Stocks (*Matthiola incana*)—

Beauty of Nice..	
Crimson King..	1923
Flesh King..	1923
Parma Violet..	1923
Rosy Pink..	1914

Dwarf large-flowering ten-weeks—

blue..	1915, 1918, 1919, 1923
brilliant rose..	1923
canary yellow..	1912, 1915, 1916, 1919, 1921-1923
carmine..	1923
copper red..	1923
crimson..	1912-1917, 1919, 1921, 1923
dark blue..	1923
flesh..	1923
light blue..	1923
purple..	1913-1916
rose..	1913-1915, 1919, 1923
scarlet..	1923
violet..	1923
white..	1913, 1914, 1919, 1922, 1923

Giant perfection ten-weeks—

canary yellow..	1914, 1916, 1917, 1919, 1920
chamois..	1921, 1922
crimson..	1914-1917, 1920-1923
dark blue..	1916, 1918
delicate pink..	1922
flesh..	1914, 1919, 1921
light blue..	1914-1916, 1919-1923
mixed..	1914-1916
pale mauve..	1922
purple..	1915, 1917, 1919-1923
rose..	1914-1916, 1919
yellow..	1923
white..	1914-1921, 1923

Large-flowering ten-weeks—

blood red..	1912, 1919, 1921, 1922
brilliant rose..	1912, 1916, 1921, 1922
buff..	1919
carmine..	1912, 1917, 1919, 1921, 1922
crimson..	1922
fiery scarlet..	1916, 1918, 1919
flesh..	1922
light rose..	1922
lilac red..	1922
mixed..	1912, 1913
purple brown..	1922
violet..	1922
white..	1922

Mammoth pyramidal ten-weeks—

canary yellow..	1924
Crimson King..	1924
dark blue..	1923
flesh..	1923, 1924
Giant Snowdrift..	1923
light blue..	1923, 1924
Mont Blanc..	1923

Stocks (*Matthiola incana*)—*Con.*

parma violet..	1924
pure white..	1923
rose..	1923
Snow White..	1924
yellow..	1923

Perpetual perfection ten-weeks—

mixed..	1915
rich pink..	1920
scarlet..	1923
yellow..	1923
white..	1923

Stock, ten-weeks—

carmine pink..	1918, 1919
Chamois Beauty..	1921
chamois..	1922
flesh coloured..	1921
light blue..	1912, 1916-1918, 1921
lilac red..	1921
mixed..	1915
Giant Nice..	1915
Princess Alice..	1916, 1923
purple brown..	1912, 1921
rosy mauve..	1916
Salmon Beauty..	1916, 1922
terra cotta..	1917, 1918, 1920
white..	1912, 1915-1917, 1919, 1921
violet..	1912, 1916, 1921

Stocks miscellaneous—

Intermediate, all the Year Round..	1922
Apple Blossom..	1912
Aurora..	1912
Scarlet Brompton..	1912
Empress Augusta..	1914
Lilac..	1912, 1916
One and All New White..	1914
Queen Alexandra Rosy Lilac..	1914
Winter White Lady..	1912

Stock, Virginian (*Malcomia maritima*)—

Crimson King..	1912, 1913
mixed..	1913-1923
red..	1912, 1913
white..	1912, 1913
yellow..	1912, 1913

Sunflower (*See helianthus*).Swan River Daisy (*See Brachycome*).Sweet Sultan (*See Centaurea*).

Sweet William Annual Mix.. 1922, 1923

Tagetes erecta, African marigold—

Mixed..	1913, 1916-1922
Giant Orange..	1922, 1923
Orange Beauty Single..	1916, 1923
Lemon..	1923
Lemon Queen..	1923
Prince of Orange..	1923
T. lucida..	1914

T. patula, French marigold—

dwarf double gold edged..	1913
dwarf gold striped..	1913
dwarf Legion of Honour..	1913, 1923
single mixed..	1915, 1916, 1920, 1923
double mixed..	1915, 1916, 1920, 1923
tall blotched..	1923
tall Diadem..	1923
tall mixed..	1915, 1916, 1921-1923
tall orange..	1923
tall Scotch Prize..	1913

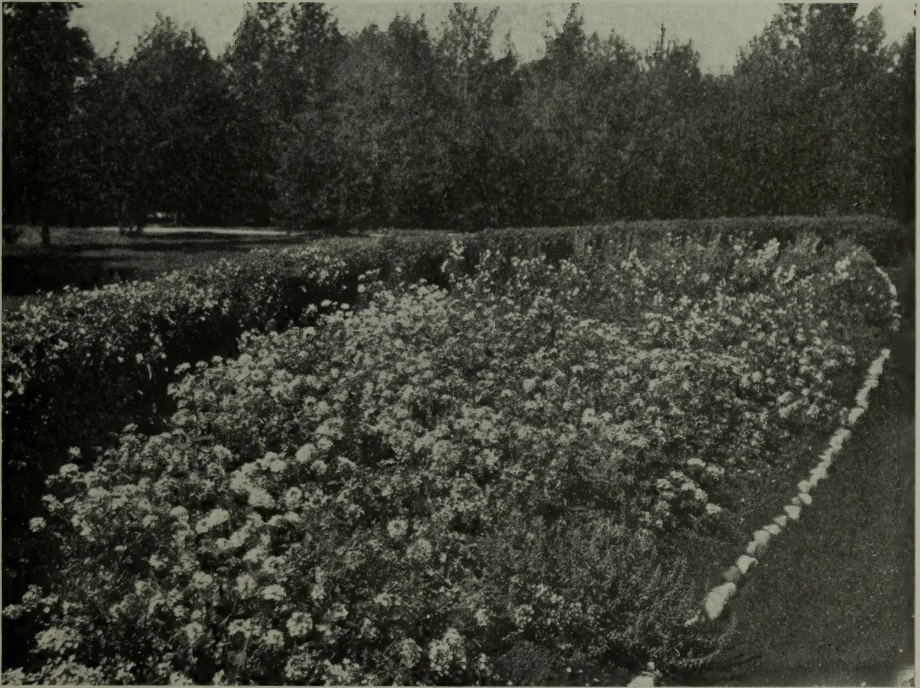
- Tagetes, erecta, African marigold—*Con.*
 T. signata pumila 1914-1923
 T. Golden Gem 1913-1916, 1919-1921, 1923
 Thunbergia alba 1915
 mixed 1915, 1916, 1918, 1923
 alata 1917
 Tithonia speciosa 1915, 1917
 Tropæolum canariense, Canary
 Creper 1914, 1915, 1918
 Venus' navelwort (*See Omphalodes*).
 Verbena hybrida—
 Auricula eyed blue 1914, 1915
 cærulea hybrida 1915
 carmine white eye 1921
 coccinea hybrida 1915
 compact mixed 1912, 1915, 1916, 1922
 rich rosy purple 1912
 scarlet 1912, 1923
 white 1912
 dark blue 1915
 Ellen Willmott 1922-1924
 erecta compacta 1913-1915
 Giant auricula-eyed mixed 1915, 1916, 1918
 Golden Giant 1921
 Giant mixed 1912-1919
 pink 1913, 1914, 1918, 1919, 1922, 1923
 white 1912, 1922, 1923
 Improved pulcherrima 1912, 1916
 Lucifer 1923, 1924
 Mammoth Fairy Queen 1915
 Mixed Bedding 1913, 1916, 1918-1921, 1924
 pink 1914, 1915
 scarlet 1914, 1915
 scarlet with white eye 1921
 Superb Bedding—
 blue 1912, 1919-1921
 mixed 1914-1920
 pink 1912, 1919, 1923, 1924
 purple white eye 1912, 1919, 1920, 1923, 1924
 scarlet 1912, 1919, 1920, 1923, 1924
 striped 1912, 1919-1921, 1923, 1924
 white 1912-1914, 1919, 1920, 1923, 1924
 violet 1914, 1915
 white 1914, 1915, 1921
 Vinca, delicate pink 1917
 Viola—
 blue 1912
 blue shaded white 1912
 Bedding Apricot 1922, 1923
 Black Knight 1923
 Bronze Shades 1922
 Gem 1923
 Giant yellow 1922, 1923
 Giant white 1922-1924
 mixed 1913, 1914, 1917, 1922
 yellow 1912
 white 1912
 Viscaria—
 blue and white mixed 1914, 1915
 bright blue 1923
 cardinalis fulgens 1913-1915, 1923
 Fire King 1915
 mixed 1922
 Pink Beauty 1923
 Wallflower (*See Cheiranthus*).
 Whitlavia gloxinoides 1921-1923
 grandiflora 1913
 Xeranthemum annuum superbissimum—
 purple 1913
 double mixed 1913, 1914, 1922
 imperiale violet 1923
 Zea, Ornamental corn—
 Japanese striped 1913, 1918, 1923
 Zinnia—
 Achievement 1919, 1921, 1923
 Double cactus-flowered 1922
 curled and crested 1915-1918, 1922-1924
 Fireball 1915-1923
 Picotee 1922, 1924
 Quilled 1924
 elegans Burbank Strain 1923
 dark crimson 1913
 double 1912, 1913, 1918, 1919
 golden yellow 1913
 lilac 1913
 rose 1913
 scarlet 1913
 white 1913
 Giant canary yellow 1923
 crimson 1922, 1923
 Giant Dahlia-flowered—
 Crimson Monarch 1923, 1924
 Dream 1923, 1924
 Exquisite 1923, 1924
 Golden State 1923, 1924
 Illumination 1924
 Meteor 1924
 Oriole 1923, 1924
 Polar Bear 1924
 Scarlet Flame 1923, 1924
 Giant Double—
 mixed 1915, 1916, 1920, 1922
 Quilled 1922-1924
 Picotee 1923
 Queen of Roses 1923, 1924
 scarlet 1923
 white 1924
 Giant—
 flesh 1922, 1923
 golden yellow 1922, 1923
 mammoth mixed 1923
 old rose 1924
 orange 1923
 pure yellow 1923
 pure white 1922, 1923
 rose 1923
 scarlet 1922, 1923
 single Picotee 1923
 sulphur yellow 1922, 1923
 violet 1923
 white 1923
 Little Red Riding Hood 1923
 New Cactus-flowered 1923
 Victory 1923
 Zebra striped 1923
 Ornamental grasses—
 Agrostis nebulosa 1913-1915, 1921, 1922
 Briza compacta 1921
 geniculata 1914, 1915
 gracilis, quaking grass 1914, 1915
 maxima, great quaking grass 1913-1915, 1921, 1922
 minima, quaking grass 1914, 1915
 Bromus briziformis 1914, 1915, 1921, 1922
 macrostachys 1914, 1915

Ornamental grasses—*Con.*

<i>Ceratoshiosa pendula</i>	1914, 1915
<i>Chloris polystachya</i>	1914, 1915
<i>Coix lachryma</i> , Jobs tears.. . .	1921, 1922
<i>Eragrostis elegans</i> , love grass	
1913-1915, 1921, 1922	
<i>Erianthus ravennæ</i>	1913
<i>Gynierium argenteum</i> , Pampas	
grass.. . . .	1914, 1915, 1920-1922
<i>Hordeum jubatum</i> , wild barley.	
1913, 1914, 1921, 1922	
<i>Lagurus ovatus</i> , hare's-tail grass.	
1913,-1915, 1921-1924	

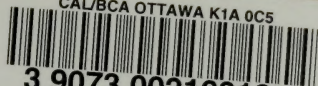
Ornamental grasses—*Con.*

<i>Lamarckia aurea</i>	1914, 1915
<i>Melica altissima</i>	1914, 1915
<i>Paspalum elegans</i>	1914, 1915
<i>Pennisetum longistylum</i> , plume	
grass.. . . .	1914, 1915, 1921-1924
<i>Pennisetum ruppellianum</i>	1923
<i>Setaria macrochaeta</i>	1914, 1915
<i>Stipa elegantissima</i> , feather grass.	1914, 1915
<i>Stipa pennata</i> , feather grass..	1913-1915, 1922
<i>Tricholæna rosea</i>	1914, 1915, 1921
<i>Uniola latifolia</i>	1921, 1922
<i>Vulpia geniculata</i>	1914



Verbena growing at the Dominion Experimental Farm, Indian Head, Sask.

CAL/BCA OTTAWA K1A 0C5



3 9073 00216318 8

OTTAWA
F. A. ACLAND
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1926